



# A Social and Economic Evaluation of Community Benefits Trust Investments

**McArthur River Mine Community Benefits Trust**



March 2022



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This report has been prepared as outlined with the McArthur River Mine Community Benefits Trust in the Scope Section of the engagement letter 26 August 2021. The services provided in connection with this engagement comprise an advisory engagement, which is not subject to assurance or other standards issued by the Australian Auditing and Assurance Standards Board and, consequently no opinions or conclusions intended to convey assurance have been expressed.

No warranty of completeness, accuracy or reliability is given in relation to the statements and representations made by, and the information and documentation provided by, McArthur River Mine Community Benefits Trust management, personnel, and stakeholders consulted as part of the process.

KPMG have indicated within this report the sources of the information provided. We have not sought to independently verify those sources unless otherwise noted within the report.

KPMG is under no obligation in any circumstance to update this report, in either oral or written form, for events occurring after the report has been issued in final form.



# Executive Summary



# Executive Summary

## Overview

McArthur River Mine (MRM) Community Benefits Trust (CBT) exists as a unique partnership between McArthur River Mine, the Northern Territory Government and the local community to fund local projects that support culture and art, enterprise and job creation, social and community development, education, health and the environment.

MRM CBT's projects extends from the town of Borroloola to the Gulf communities bounded by the Robinson River in the south-east, the Sir Edward Pellew Islands, the Limmen Bight River in the west and Balbirini Station in the south.

KPMG has been engaged by MRM CBT to undertake a social and economic evaluation of the CBT investments. The purpose of the engagement is two-fold:

- An evaluation of the social and economic benefits of selected projects and programs the Trust has invested in over the last three years, to understand the social and economic outcome of these investments and to explain the value of Trust activities to Trust Directors and the local community; and
- Development of an evaluation tool and associated monitoring process and reporting process that can be applied to future projects that will help guide prioritization and decision-making, improve measurement and reporting and enable better communication regarding the value of funded projects to all stakeholders.

## Evaluation Methodology

KPMG completed the evaluation in four phases; the stages, activities and deliverables for which are outlined below:

*Phase 1 – Project Inception to Prepare a Project Plan:* During this phase KPMG confirmed understanding of the project requirements with MRM CBT and provided a project plan to guide the project.

*Phase 2 – Evaluation Scoping and Design:* KPMG completed a desktop review of available project documentation, which informed the selection of projects for evaluation, in concert with discussions with MRM CBT. Projects were selected from across the MRM CBT's six program areas:

- Social and Community;
- Culture and Art;
- Health;
- Education;
- Enterprise and Job Creation; and
- Environment.

*Phase 3 – Evaluation Framework Development:* KPMG developed project-level evaluation frameworks which included indicators for each project aligning to their intended outcomes.

*Phase 4 – Evaluation Implementation:* In which the project-level evaluation framework was applied to each project.

# Executive Summary

## Social and Economic Evaluation Findings – Priority Projects

Our analysis estimates that across the eight priority projects, **\$15.8 million worth of benefits and social returns resulted from the \$2.7 million invested by MRM CBT**. It demonstrates that the benefits accruing from MRM CBT's contribution significantly outweigh the initial investment, with **5.8 dollars accrued for every 1 dollar invested**.

A breakdown of this analysis by project can be seen in Table 1.

Figure 1. Benefits of additional projects



Table 1. Summary of the priority projects costs and benefits

Program	Item	Value
<b>12-month music program</b>	MRM CBT contribution	\$109,680
	Approximate value of benefits derived	\$514,325
	Net quantitative benefit	\$404,645
	Benefit cost ratio	4.7

Program	Item	Value
<b>Sports courts (over 10 years)</b>	MRM CBT contribution	\$1,650,000
	Approximate value of benefits derived	\$11,818,922
	Net quantitative benefit	\$10,168,922
	Benefit cost ratio	7.2
<b>KWILS</b>	MRM CBT contribution	\$39,468
	Approximate value of benefits derived	\$51,923
	Net quantitative benefit	\$12,455
	Benefit cost ratio	1.3
<b>Artback NT -Malandarri Festival and associated programs</b>	MRM CBT contribution	\$436,720
	Approximate value of benefits derived	\$827,195
	Net quantitative benefit	\$390,475
	Benefit cost ratio	1.9
<b>Thunders AFL</b>	MRM CBT contribution	\$138,197
	Approximate value of benefits derived	\$1,103,775
	Net quantitative benefit	\$965,578
	Benefit cost ratio	8
<b>Breakfast program (over three years)</b>	MRM CBT contribution	\$94,798
	Approximate value of benefits derived	\$842,139
	Net quantitative benefit	\$747,341
	Benefit cost ratio	8.9
<b>JMF Football Scholarships</b>	MRM CBT contribution	\$234,059
	Approximate value of benefits derived	\$406,691
	Net quantitative benefit	\$172,633
	Benefit cost ratio	1.7
<b>JMF Competition Matches</b>	MRM CBT contribution	\$22,000
	Approximate value of benefits derived	\$131,770
	Net quantitative benefit	\$109,770
	Benefit cost ratio	6.0

# Executive Summary

## Social and Economic Evaluation Findings – Additional Projects

Our analysis estimates that across the eight additional projects, **\$4.4 million worth of benefits and social returns result from the \$2.2 million invested by MRM CBT**. It demonstrates that the benefits accruing from MRM CBT's contribution significantly outweigh the initial investment, with **2.0 dollars accrued for every 1 dollar invested**.

A breakdown of this analysis by project can be seen in Table 2.

Figure 2. Benefits of additional projects



Table 2. Summary of the additional projects costs and benefits

Program	Item	Value
Video Conferencing Hubs	MRM CBT contribution	\$16,903
	Approximate value of benefits derived	\$73,000
	Net quantitative benefit	\$56,097
	Benefit cost ratio	4.3

Program	Item	Value
Four Clans Artwork	MRM CBT contribution	\$10,560
	Approximate value of benefits derived	\$31,670
	Net quantitative benefit	\$21,110
	Benefit cost ratio	3.0
MAWA Bush Tracks Riding Program	MRM CBT contribution	\$20,900
	Approximate value of benefits derived	\$79,326
	Net quantitative benefit	\$58,426
	Benefit cost ratio	3.8
Family Fun Days - Two Way Learning Program	MRM CBT contribution	\$27,500
	Approximate value of benefits derived	\$46,410
	Net quantitative benefit	\$18,910
	Benefit cost ratio	1.7
Academic Assistance Bursary Program	MRM CBT contribution	\$311,528
	Approximate value of benefits derived	\$1,150,729
	Net quantitative benefit	\$839,200
	Benefit cost ratio	3.7
Mungoorbada Facilities Upgrade	MRM CBT contribution	\$154,000
	Approximate value of benefits derived	\$637,293
	Net quantitative benefit	\$483,293
	Benefit cost ratio	4.1
Rocky Creek Bridge Construction	MRM CBT contribution	\$1,540,000
	Approximate value of benefits derived	\$1,828,351
	Net quantitative benefit	\$288,351
	Benefit cost ratio	1.2
Fauna Surveys	MRM CBT contribution	\$120,307
	Approximate value of benefits derived	\$532,375
	Net quantitative benefit	\$412,068
	Benefit cost ratio	4.4



# Introduction





## A Social and Economic Evaluation of Community Benefit Trust Investments

### Evaluation Purpose and Scope

KPMG was engaged by MRM CBT to undertake a social and economic evaluation of the CBT investments. The purpose of the engagement was two-fold:

- An evaluation of the social and economic benefits of selected projects and programs the Trust has invested in over the last three years, to understand the social and economic outcome of these investments and to explain the value of Trust activities to Trust Directors and the local community; and
- Development of an evaluation tool and associated monitoring process and reporting process that can be applied to future projects that will help guide prioritization and decision-making, improve measurement and reporting and enable better communication regarding the value of funded projects to all stakeholders.

The scope of requirements of the engagement are as follows:

- A social and economic benefits evaluation of selected projects funded by the Trust including assessment of immediate, short-term and long-term benefits.
- Development of a range of appropriate indicators and an associated monitoring, evaluation and reporting (MER) framework and tools for the future evaluation of social and economic benefits.

The consultancy was Darwin-based, involving desktop research and liaison with Project Officers. Community consultation was not a requirement.

### Project level evaluation

Eight priority projects were evaluated, including:

- 12-month Music Program
- Sports Courts
- KWILS
- Artback NT – Malandirri Festival and associated programs
- Thunders AFL
- Breakfast Program
- JMF Football Scholarships
- JMF Competition Matches

A further eight additional projects were evaluated, including:

- Video Conferencing Hubs
- Four Clans Artwork
- MAWA Bush Tracks Riding Program
- Family Fun Days - Two Way Learning Program
- Academic Assistance Bursary Program
- Mungoorbada Facilities Upgrade
- Rocky Creek Bridge Construction
- Fauna Surveys



## A Social and Economic Evaluation of Community Benefit Trust Investments

### Evaluation Methodology

KPMG completed the evaluation in phases; the stages, activities and deliverables for which are outlined below:

*Phase 1 – Project Inception to Prepare a Project Plan:* In which a Project Plan, including tasks and timing, and ongoing reporting requirements was prepared, along with an agreed understanding of project scope and required outcomes and an agreed approach to project governance. During this phase we: confirmed understanding of the project requirements, including approach, outputs, desired outcomes and project management protocols; identified the available information and data sources for completing the evaluation; and confirmed available data and arrange access.

*Phase 2 – Evaluation Scoping and Design:* In which we conducted the scoping and review of initial documentation provided by Project Officers, including the Trust’s Three-Year Plan, Annual Plans, Funding Agreements, Progress Reports, Reviews and any other previous studies relevant to the project. We met with Project Officers to agree and select relevant projects for inclusion. We used a selection criteria to ensure a purposively representative sample which included: year of commencement, program area, location and governance/ownership and availability of data/information. During this phase we also developed surveys for implementation by Project Officers to fill identified data gaps in available project documentation.

### *Phase 3 – Evaluation Framework Development:*

- Project-level evaluation framework: In which we developed project-level evaluation frameworks which included indicators for each project aligning to their intended outcomes.
- Program-level evaluation framework (MER framework): This phase is ongoing and will include - Development of short and long-term outcomes indicators for each program area. Refining of a long list of indicators identified in Stage 2 through a two-step process: identification and development of specific measures for agreed indicators; and indicators that are Specific Measurable Attainable Relevant and Timebound (SMART) will be prioritised. A comprehensive Evaluation Framework for each program area will be finalised once indicators are developed.

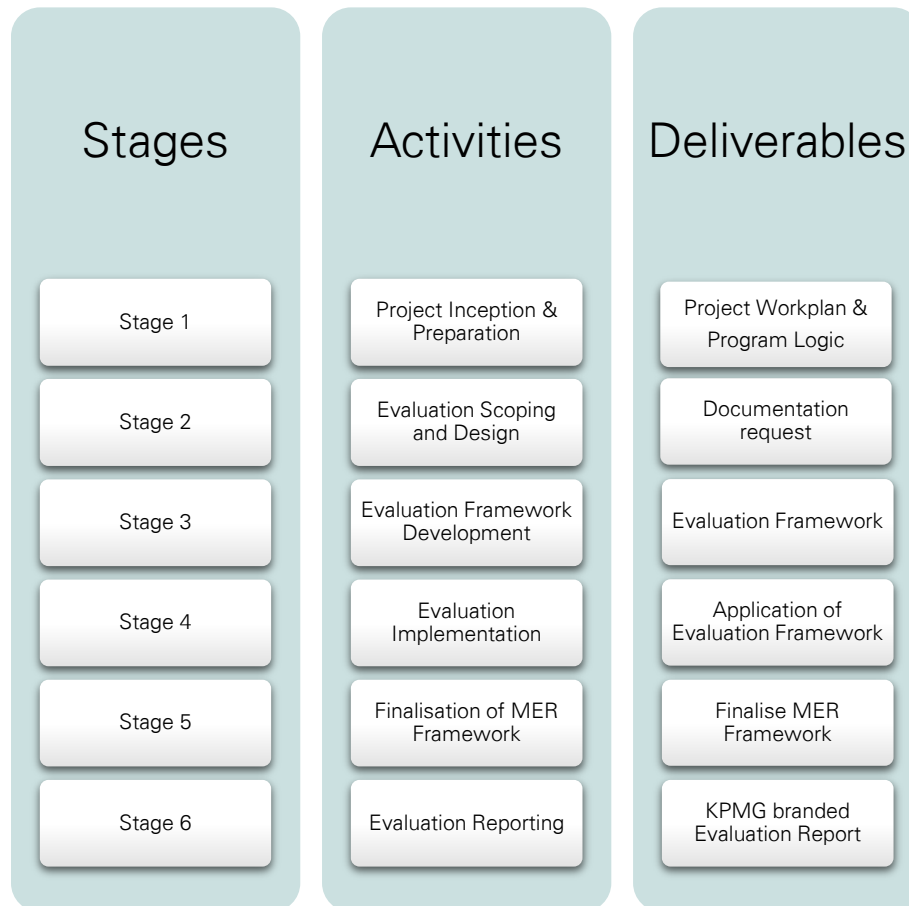
*Phase 4 – Evaluation Implementation:* In which the project-level evaluation framework was applied to each project.

*Phase 5 – Finalisation of the MER framework:* ongoing (to be detailed in separate report).

*Phase 6 – Evaluation Reporting:* (to be detailed in separate report) ongoing.

## A Social and Economic Evaluation of Community Benefit Trust Investments

### Overview of evaluation stages, activities and deliverables



### Structure of this report is as follows:

1.	Introduction	Outlines the purpose, scope and approach for the Evaluation.
2.	Approach to Cost Benefit Analysis	Introduces the approach taken to Cost Benefit Analysis for the project-level evaluations undertaken.
3.	Project-level evaluations	Provides an overview of each project, the MRM CBT contribution, project-level analytical framework and detailed assumptions, project-level evaluation findings.



# Approach to Cost Benefit Analysis



# Approach to Cost Benefit Analysis

## Disclaimer regarding modelling of cost benefit analysis

### Background

KPMG has been engaged by McArthur River Mine Community Benefits Trust (“MRM CBT”) to assist in building a Cost Benefit Analysis model (the “Model”) to support the board and management in understanding the social and economic outcome of programs and projects undertaken in recent years (the “Project”).

KPMG’s work in relation to assisting in building the Model has been performed in accordance with the terms of its engagement letter dated 26 August 2021. The Model is dated 21 February 2022 and KPMG has not undertaken to update the Model for events or circumstances arising after that date.

### Important Notice

The cost-benefit model used to estimate social and economic benefits has been developed by KPMG solely for MRM CBT in connection with this Project. The services which KPMG has provided have not been conducted in accordance with any auditing, review or assurance standards, and KPMG has not performed any procedures to verify or substantiate information provided to us by MRM CBT or third parties.

KPMG does not make any representation or warranty as to the accuracy, completeness, reasonableness, or reliability of the information included in the model, including the achievement or reasonableness of any data provided to us as inputs. MRM CBT's acceptance of the assumptions agreed, and the inputs provided to KPMG, constitute acceptance of the final outputs.

There will usually be differences between forecast or projected and actual results, because events and circumstances frequently do not occur as expected or predicted, and those differences may be material. Events may have occurred, and circumstances may have changed, since the model was prepared which may impact on the Information, and therefore the model may become outdated as a result.

# Approach to Cost Benefit Analysis

## Theory of Change

### Theory of Change

A Theory of Change (ToC) explains how the activities undertaken by an intervention, such as MRM CBT's projects, contribute to results that in turn lead to intended or observed impacts.

Where the ToC is established at the start of a project, data can be collected throughout the project to support the evaluation.

Alternatively this process can be undertaken retrospectively, which is the methodology that has been used for these project evaluations. In this case supporting data is drawn from available project documentation and other supporting sources.

For each project KPMG has reviewed as part of this evaluation all project documentation, including where available, project funding applications, funding agreements, progress reports, and other project documentation. For some projects this was supplemented by surveys provided to key project staff.

### Example: Evaluation 1: 12-month music program

#### Activities undertaken

A 12 month music program run one afternoon for 30 weeks of the year for all members of the community. This will include regular music practice and opportunities to mentor and teach, singing/song writing, women's choir, instrument/equipment/production training, bringing artists in for workshops, additional special events and programs. The music program responds to needs identified in the community.

### How activities contribute to results (Indicators)

- Employment: Direct employment of project staff
- Wellbeing and cultural maintenance: Participation in the project leads to improved wellbeing due to a combination of cultural transfer through regular contact with elders, and regular social activity and music practice
- Reduced Crime: Participation in the project leads to reduced contact with the criminal justice system due to improved mental wellbeing
- Training: The project provides access to mentoring and training

### Intended or observed impacts (Measures)

- Direct employment salary
- Improved Quality of Life due to participation
- Cost avoided due to decreased involvement with criminal justice system
- Benefit of education/training courses



# Approach to Cost Benefit Analysis

## Basis of evaluation and assumptions

### Approach to Cost Benefit Analysis

The purpose of the cost benefit analysis undertaken is to provide an evaluation of the social and economic benefits of selected projects and programs the Trust has invested in over the last three years, to better understand the impact of past investments and inform the approach to future investments.

The assumptions applied to the overall analysis are explained below, with data points specific to each project indicated in the project level evaluations.

### Basis of the Project-level evaluation

A theory of change was developed for each project, based on a review of project documentation, and supplemented by surveys with project staff where required.

The Evaluation used a hybrid approach to determine indicators and measures. This involved a blend of incorporating quantitative and qualitative primary data for projects that have already begun, as provided to KPMG, as well as the inclusion of a predictive modelling component based on evidence from the literature where primary data is not available.

As detailed on a project-level basis, a range of benefits were identified as resulting from each project, with the main types of benefits around:

- Economic development and Employment - With indicators around employment, salaries and direct investment in the community.
- Wellbeing and cultural maintenance – With indicators developed to determine a project's impact on an individual's Quality of Life from improvements in individual well-being, including from the maintenance and transfer of culture.
- Health - Improvements in health outcomes or Quality of Life outcomes likely to lead to improvements in health.
- Education - Improvements in educational outcomes and flow-on impacts for improved Quality of Life.
- Reduced crime - Including welfare cost reductions and Quality of Life improvements for individuals and community.

The assumptions applied to the overall analysis are explained over page, with data points specific to each project described in the proceeding project-level evaluations.

# Approach to Cost Benefit Analysis

## Assumptions: Model inputs

### Assumptions

The assumptions applied to the overall analysis are explained below, with data points specific to each project indicated in the project level evaluations.

Indicator	Measure	Source	Note
<b>General Assumptions – macro data requirements</b>			
Inflation (Consumer Price Index)	Weighted median 1.3% as at June 2020	Reserve Bank of Australia	Recommend RBA rates and not NT specific rates given sources of data for treatment costs
Discount Rate	A discount rate of 3% was applied to costs and benefits	PMC	
<b>Quality of Life Assumptions</b>			
Value of a Single Life	Statistical value of a life \$5.1 million. Value of statistical life year is \$222,000 in 2021 dollars	Office of Best Practice Regulation (Australian Government Department of Prime Minister and Cabinet) - Best Practice Regulation Guidance Note: Value of statistical life	
Improvement in Quality of Life	Project dependent	Project documentation	A factor was applied to the value of a single life for beneficiaries of the program to determine the improvement in Quality of Life. This factor was estimated based on project documentation provided.
Weighting of effect of alcohol dependence on health	18%	Mathers C, Vos T. <i>The burden of mental disorders: a comparison of methods between the Australian burden of disease studies and the Global Burden of Disease study</i> , Bulletin of the World Health Organization, 2000	
Weighting of effect of generalised anxiety disorder on health	22%	As above	



# Approach to Cost Benefit Analysis

## Assumptions: Model inputs, continued

Indicator	Measure	Source	Note
<b>Quality of Life Assumptions (continued)</b>			
Cost averted per day for breakfast program, per person	\$23	Goudet S, Jayaraman A, Chanani S, Osrin D, Devleesschauwer B, Bogin B, et al. (2018) <i>Cost effectiveness of a community based prevention and treatment of acute malnutrition programme in Mumbai slums, India.</i> PLoS ONE 13(11): e0205688.	
<b>Reduced Crime Assumptions</b>			
Average cost of detention based supervision per adult in the NT, per year	\$345,256 in 2016 -17.	Deloitte Access Economics, <i>Northern Territory youth justice system – Fixing a broken system (2017)</i>	
Average cost of detention based supervision per young person in the NT, per day	\$6,247 in 2021	Productivity Commission, <i>Report on Government Services (2022)</i> , Table 17A.21	
Average length of stay	85 days	Deloitte Access Economics, <i>Northern Territory youth justice system – Fixing a broken system (2017)</i>	
NT detention rate for Aboriginal people	2.898% (2,898 people per 100,000)	ABS Corrective Services, Australia, September quarter 2021	
Reduction in offending (for all encompassing justice reinvestment approach)	38%	KPMG Impact Assessment of the Maranguka Justice Reinvestment Project, 2018	
Sport activities reduction in offending as a percentage of total justice reinvestment	50%	Deloitte Access Economics, <i>Northern Territory youth justice system – Fixing a broken system (2017)</i>	

# Approach to Cost Benefit Analysis

## Assumptions: Model inputs, continued

Indicator	Measure	Source	Note
<b>Employment</b>			
Average annual salary for full-time employee	\$65,000	Estimate	
<b>Training</b>			
Attributed cost for one hour training or mentoring session	\$250	Estimate	
Rate of return on training or mentoring	32%	National Centre for Vocational Education Research (Australian Government Department of Education and Training), <i>Costs and benefits of education and training for the economy, business and individuals (2016)</i>	
<b>Safer women and children</b>			
Cost of Aboriginal family violence per year	\$2.3 million (2011)	Healing Foundation, <i>Prospective cost benefit analysis of healing centres (2014)</i>	
Population of Aboriginal people in Australia	649,171	ABS Census 2016	
<b>School education</b>			
Cost of school education (average per Australian student per year)	\$4,455	Australian Scholarships Group, <i>Australian education costs revealed</i>	



# Project-Level Evaluations



# Evaluation 1: 12-month music program

## Background and Evaluation Framework

### About the project

A 12 month music program run one afternoon for 30 weeks of the year for all members of the community. This will include regular music practice and opportunities to mentor and teach, singing/song writing, women's choir, instrument/equipment/production training, bringing artists in for workshops, additional special events and programs. The music program responds to needs identified in the community.

### Project aims

The program aims to support self-determination, cultural maintenance and creative artistic development. As well as achieve employment, education, youth community engagement.



Table 3. Evaluation Framework for 12-month music program

Indicators	Measure	Program Logic / Data points
Employment	<ul style="list-style-type: none"> <li>Direct employment salary</li> </ul>	<ul style="list-style-type: none"> <li>Average salary (\$65,000) x Estimated staff (5.0 FTE project staff and people providing training and mentoring)</li> </ul>
Wellbeing and cultural maintenance	<ul style="list-style-type: none"> <li>Improved Quality of Life due to participation</li> </ul>	<ul style="list-style-type: none"> <li>Estimated 700 incidence of youth participation and 696 of adult participation based on program schedule, resulting in improved quality of life \$250 per incidence)</li> </ul>
Reduced crime	<ul style="list-style-type: none"> <li>Cost avoided due to decreased involvement with criminal justice system</li> </ul>	<ul style="list-style-type: none"> <li>Estimated 40 youth participants and 88 adult participants, resulting in a reduction in offending with regular music activities, against the cost of an average period of incarceration weighted by statistical likelihood of incarceration (\$1,539 per youth user per year, and \$1,001 per adult user per year)</li> </ul>
Training	<ul style="list-style-type: none"> <li>Benefit of education/training courses</li> </ul>	<ul style="list-style-type: none"> <li>Estimated incidence of participation x average comparable cost of session (\$250) x estimated return on investment of training (32%)</li> </ul>

# Evaluation 1: 12-month music program

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

Costs of the 12-month music program over one year are calculated by combining the total cost of equipment purchased, staff salaries and other program and administrative costs. dollar invested.

The total benefit for each indicator can be seen in the table below. This demonstrates the total benefit in each indicator area, as well as the benefit associated with MRM CBT's relative contribution to the project. This information is contained in Table 4 below and presented visually in Figure 3.

The results of the cost-benefit analysis can be seen in Table 4. Our analysis estimates that the 12-month music program will produce \$514,325 worth of benefits and social returns from the \$109,690 invested by MRM CBT. It estimates that the benefits accruing from MRM CBT's contribution outweigh the initial investment, with 4.7 dollars accrued for every 1 dollar invested.

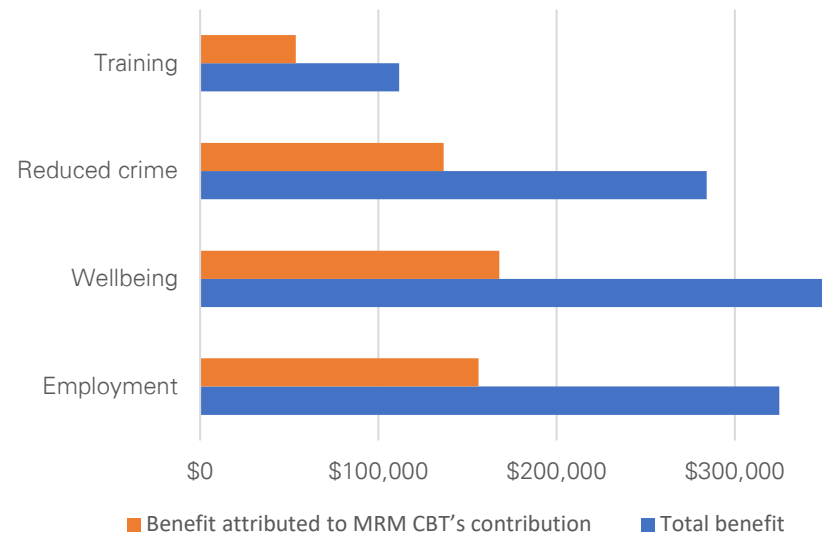
Table 4. Total benefit of 12-month music program, by indicator

	Employment	Wellbeing and cultural maintenance	Reduced crime	Training	Total
Total benefit	\$325,000	\$349,000	\$284,237	\$111,680	\$1,069,917
Benefit attributed to MRM CBT's contribution	\$156,232	\$167,770	\$136,637	\$53,686	\$514,325

Table 5. Summary of 12-month music program costs, benefits and social returns (MRM CBT relative contribution)

12-month music program (MRM CBT Contribution)	MRM CBT contribution	\$109,680
	Approximate value of benefits derived	\$514,325
	Net quantitative benefit	\$404,645
	Benefit cost ratio	4.7

Figure 3. 12-month music program benefit by indicator, total and MRM CBT contribution



# Evaluation 2: Sports Courts

## Background and Evaluation Framework

### About the project

The project has funded the Sports Courts facility upgrade including the purchase and construction of two new multi-purpose covered courts with full sized sheds including lighting, electronic score boards, upgrade entry, car parking and pedestrian access. Additional funding from the Northern Territory Government will see the facility upgraded to include a Category Four-rated Cyclone Shelter to provide protection during major cyclone events.

### Project aims

This project will benefit Borroloola and the surrounding region by improving sporting facilities and services, reducing youth boredom, providing work experience opportunities, and providing a community facility for events and competitions. The project will also provide employment opportunities during construction.



Table 6. Evaluation Framework for Sports Courts

Indicators	Measure	Program Logic / Data points
Employment	<ul style="list-style-type: none"> <li>Direct employment salary</li> </ul>	<ul style="list-style-type: none"> <li>Average salary (\$65,000) x Estimated staff (1.5 FTE for 6 months construction, 2 FTE for ongoing operations)</li> </ul>
Wellbeing and cultural maintenance	<ul style="list-style-type: none"> <li>Improved Quality of Life due to participation</li> </ul>	<ul style="list-style-type: none"> <li>Estimated 75% of Borroloola youth aged 5-24 utilising courts twice weekly, resulting in improved quality of life (\$50 per incidence)</li> </ul>
Reduced crime	<ul style="list-style-type: none"> <li>Cost avoided due to decreased involvement with criminal justice system</li> </ul>	<ul style="list-style-type: none"> <li>Estimated 75% of Borroloola youth aged 5-24 utilising courts (total 138 weekly users), resulting in a reduction in offending with weekly sports activities, against the cost of an average period of youth incarceration weighted by statistical likelihood of incarceration (\$2,924 per user per year)</li> </ul>



# Evaluation 2: Sports Courts

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

Costs of the project included an initial large capital outlay of \$2,150,000 for the initial build, followed by annual ongoing costs of an estimated \$10,000. This cost-benefit analysis has been modelled over a 10 year period, with costs and benefits appropriately discounted to their present value.

The total benefit for each indicator over 10 years can be seen in Table 7 below. This demonstrates the total benefit in each indicator area, as well as the benefit associated with MRM CBTs relative contribution to the project. This information is presented visually in Figure 4.

The results of the cost-benefit analysis can be seen in Table 8. Our analysis estimates that over 10 years the Sports Courts will produce \$11.8 million worth of benefits and social returns from the \$1.65 million invested by MRM CBT. It estimates that the benefits accruing from MRM CBT's contribution outweigh the initial investment, with 7.2 dollars accrued for every 1 dollar invested over the ten year period.

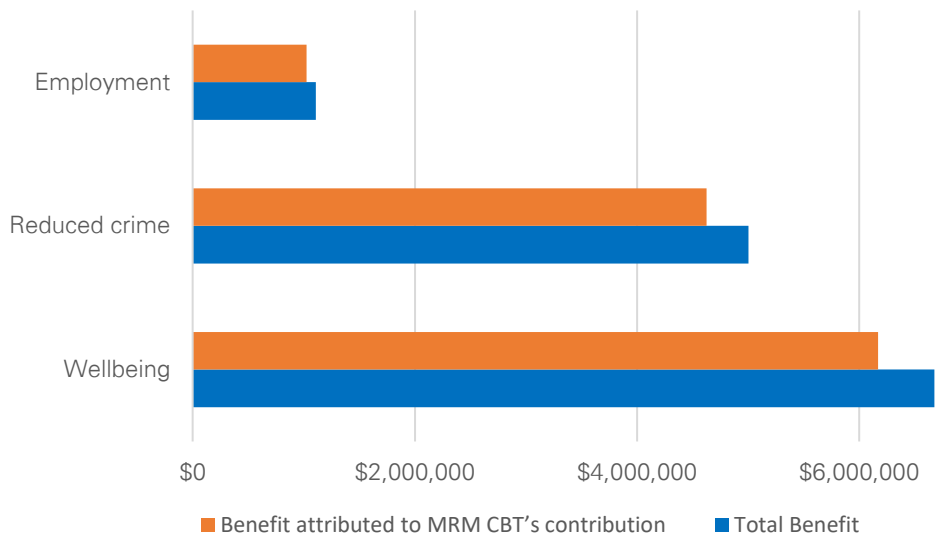
Table 7. Total benefit of sports courts, by indicator (over 10 years)

	Employment	Wellbeing and cultural maintenance	Reduced crime	Total
Total benefit	\$6,675,395	\$5,004,167	\$1,107,443	\$12,787,004
Benefit attributed to MRM CBT's contribution	\$6,169,696	\$4,625,073	\$1,024,153	\$11,818,922

Table 8. Summary of sports courts costs, benefits and social returns (MRM CBT relative contribution) over 10 years

Sports courts	MRM CBT contribution	\$1,650,000
	Approximate value of benefits derived	\$11,818,922
	Net quantitative benefit	\$10,168,922
	Benefit cost ratio	7.2

Figure 4. Sports courts benefit by indicator, total and MRM CBT contribution





# Evaluation 3: KWILS

## Background and Evaluation Framework

### About this project

This project provides funding for the Katherine Women’s Information and Legal Service (KWILS) to provide a lawyer to assist women at the Circuit Court in Borroloola, with a particular focus on assisting domestic violence victims to navigate the Court process.

KWILS will also provide face to face legal services to women in Borroloola and Robinson River, assisting women with matters relating to domestic violence and child protection in particular.

### Project aims

This service will provide education and improved access to legal support for women, enhancing communication skills and increasing education regarding the legal system.



Table 9. Evaluation Framework for KWILS

Indicators	Measure	Program Logic / Data points
Safer women and children	<ul style="list-style-type: none"> <li>Savings associated with reduced domestic and family violence</li> </ul>	<ul style="list-style-type: none"> <li>Number of people benefiting from direct and family access to service x Cost of Indigenous Family violence per person per year (\$3,543)</li> </ul>

# Evaluation 3: KWILS

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

The total benefit for the KWILS in Borroloola program can be seen in Table 10. This demonstrates the total benefit for the indicator, as well as the benefit associated with MRM CBT's relative contribution to the project. This information is also contained in Figure 5.

The results of the cost-benefit analysis can be seen in Table 11. Our analysis estimates that MRM CBT's funding for 12-months has produced \$51,922 worth of benefits and social returns from the \$39,468 invested by MRM CBT. The benefits accrued do not significantly outweigh the initial investment, with 1.32 dollars accrued for every 1 dollar invested.

Reasons that the program has not performed well have been outlined in the progress report, and include difficulties in delivering the program. Reasons cited include an inability to access Borroloola in the wet season, staffing turnover and recruitment difficulties within KWILS hiring into the Outreach Solicitor Position who would have responsibility for the delivery of this project. Due to these issues, the anticipated number of clients were not seen by KWILS and subsequently the full potential of benefits have not been realised.

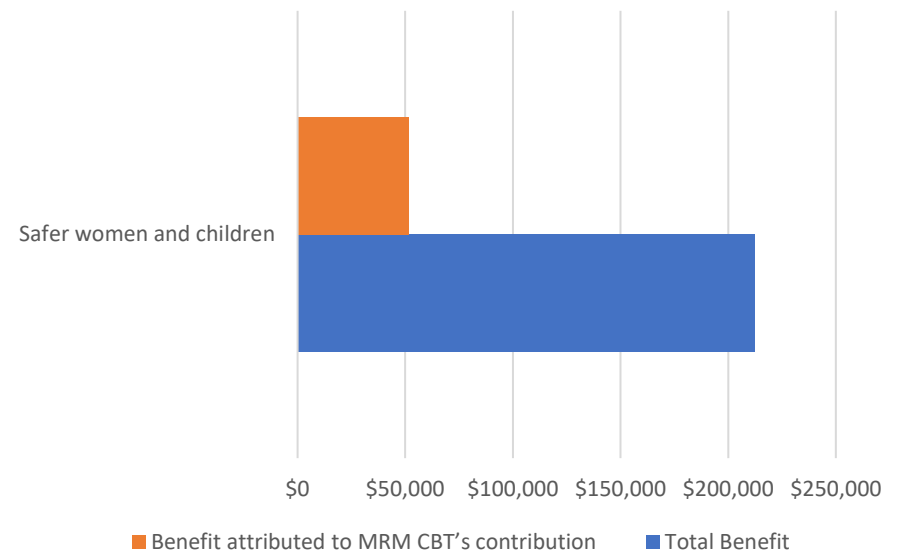
Table 10. Total benefit of KWILS, by indicator

	Savings Associated with Improved Safety	Total
Total benefit	\$212,579	\$212,579
Benefit attributed to MRM CBT's contribution	\$51,923	\$51,923

Table 11. Summary of KWILS benefits and social returns (MRM CBT relative contribution)

KWILS (one year)	MRM CBT contribution	\$39,468
	Approximate value of benefits derived	\$51,923
	Net quantitative benefit	\$12,455
	Benefit cost ratio	1.3

Figure 5. KWILS in Borroloola benefit by indicator, total and MRM CBT contribution



# Evaluation 4: Artback NT – Malandarri Festival & associated programs

## Background and Evaluation Framework

### About the project

MRM CBT has provided support to Artback NT through Remote Arts and Cultural Program the since 2013, and is scheduled to continued to 2023. The centre of the project is the Malandarri Festival. The grant provides for ongoing employment of a Festival Director/Arts and Cultural Events Officer and supports the delivery of youth and arts programs, dances and performances, and a range of workshops and activities around the festival for a further three years.

### Project aims

MRM CBT supported the establishment of this event through an initial grant in 2013 which brought the Indigenous Traditional Dance Project to Borroloola and helped in the development of the program for 2018, 2019 and 2020. The funding also assists in providing mentoring support and capacity building for local community members to deliver arts-based programs.



Table 12. Evaluation Framework for Malandarri Festival

Indicators	Measure	Program Logic / Data points
Employment Outcomes	<ul style="list-style-type: none"> <li>Direct employment salary</li> </ul>	<ul style="list-style-type: none"> <li>Estimated employment of festival staff and performers, and workshop facilitators</li> </ul>
Wellbeing and cultural maintenance	<ul style="list-style-type: none"> <li>Improved Quality of Life due to participation</li> </ul>	<ul style="list-style-type: none"> <li>Estimated increase in quality of life for festival attendees (1,500) and workshop participants (336) and (\$500 per festival attendee, \$50 per workshop)</li> </ul>
Economic Development	<ul style="list-style-type: none"> <li>Visitation expenditure</li> </ul>	<ul style="list-style-type: none"> <li>Expected attendance (1,500) x estimated average spend per attendee (\$300)</li> </ul>
Training	<ul style="list-style-type: none"> <li>Benefit of education/training courses</li> </ul>	<ul style="list-style-type: none"> <li>Estimated 180 mentees attending average 2 mentoring sessions each at average comparable cost of session (\$250) for festival, and 273 mentees attending day long workshop sessions at average comparable cost of session (\$750). Estimated return on investment of training (32%)</li> </ul>

# Evaluation 4: Artback NT – Malandarri Festival & associated programs

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

The total benefit for the Malandarri Festival and associated programs can be seen in Table 13. This demonstrates the total benefit across the relevant indicators, as well as the benefit associated with MRM CBTs relative contribution to the project. This information is also contained in Figure 6.

The results of the cost-benefit analysis can be seen in Table 14. Our analysis estimates that MRM CBT’s funding has produced \$827,195 worth of benefits and social returns from the \$436,720 invested by MRM CBT. The benefits accrued outweigh the initial investment, with 1.9 dollars accrued for every 1 dollar invested.

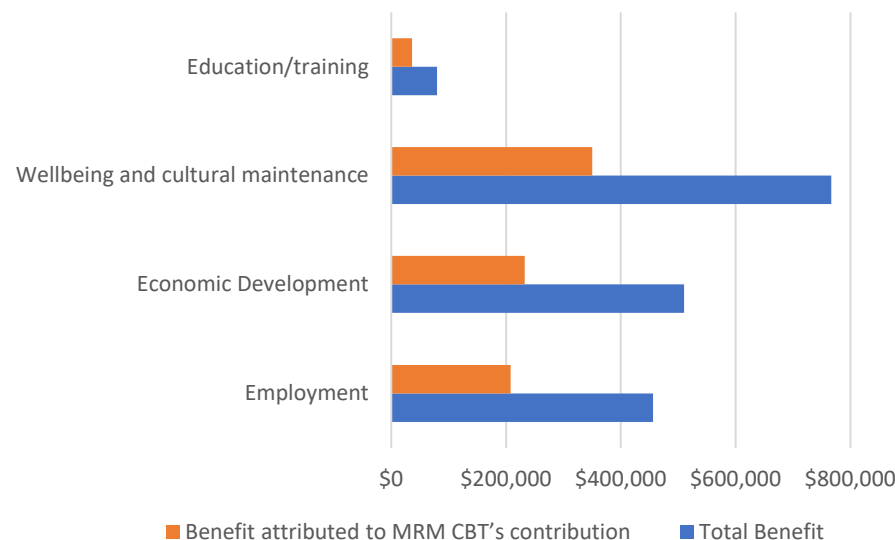
Table 13. Total benefit of Malandarri Festival, by indicator

	Employment	Economic Development	Wellbeing and cultural maintenance	Training	Total
Total benefit	\$456,003	\$510,000	\$766,800	\$79,920	\$1,812,723
Benefit attributed to MRM CBT’s contribution	\$208,087	\$232,727	\$349,912	\$36,470	\$827,195

Table 14. Summary of Malandarri, benefits and social returns (MRM CBT relative contribution)

Malandarri Festival	MRM CBT contribution	\$436,720
	Approximate value of benefits derived	\$827,195
	Net quantitative benefit	\$390,475
	Benefit cost ratio	1.9

Figure 6. Malandarri Festival and associated programs benefit by indicator, total and MRM CBT contribution





# Evaluation 5: Thunders AFL

## Background and Evaluation Framework

### About the project

Supported the establishment of the Borroloola Thunders AFL team who are participating in the Barkly AFL Competition. The CBT board committed to the first year of funding for the new team which includes all clan groups. The thunders have joined the Barkly AFL competition in May this year playing at Elliott and Tennant Creek.

### Project aims

Build a community based team that will provide a positive outlet for players and support staff that will result in skills development, and positively impact the players.



Table 15. Evaluation Framework for Thunders AFL

Indicators	Measure	Program Logic / Data points
Employment	<ul style="list-style-type: none"> <li>Improved employment outcomes</li> </ul>	<ul style="list-style-type: none"> <li>Players who became employed, weighted for season length at an average annual salary of \$65,000</li> </ul>
Education	<ul style="list-style-type: none"> <li>Improved attendance to school</li> </ul>	<ul style="list-style-type: none"> <li>Players with reported improved engaged at school, weighted for effect attributable to participation in sport, based on the average cost of a year of education</li> </ul>
Health	<ul style="list-style-type: none"> <li>Improvements in various health outcomes</li> </ul>	<ul style="list-style-type: none"> <li>Players reporting improvements in various health dimensions (fitness, mental health, substance abuse) weighted for disability weights, at the value of a statistical year in remote communities</li> </ul>
Reduced crime	<ul style="list-style-type: none"> <li>Cost avoided due to decreased involvement with criminal justice system</li> </ul>	<ul style="list-style-type: none"> <li>Number of players x % improvements in crime exposure x cost of crime pp in Borroloola</li> </ul>

# Evaluation 5: Thunders AFL

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

The total benefit for the Thunders AFL team and associated programs can be seen in Table 16. This demonstrates the total benefit across the relevant indicators, as well as the benefit associated with MRM CBT's relative contribution to the project. This information is also contained in Figure 7.

The results of the cost-benefit analysis can be seen in Table 17. Our analysis estimates that MRM CBT's funding has produced \$1,103,775 worth of benefits and social returns from the \$138,197 invested. The benefits accrued outweigh the initial investment, with 14.4 dollars accrued for every 1 dollar invested.

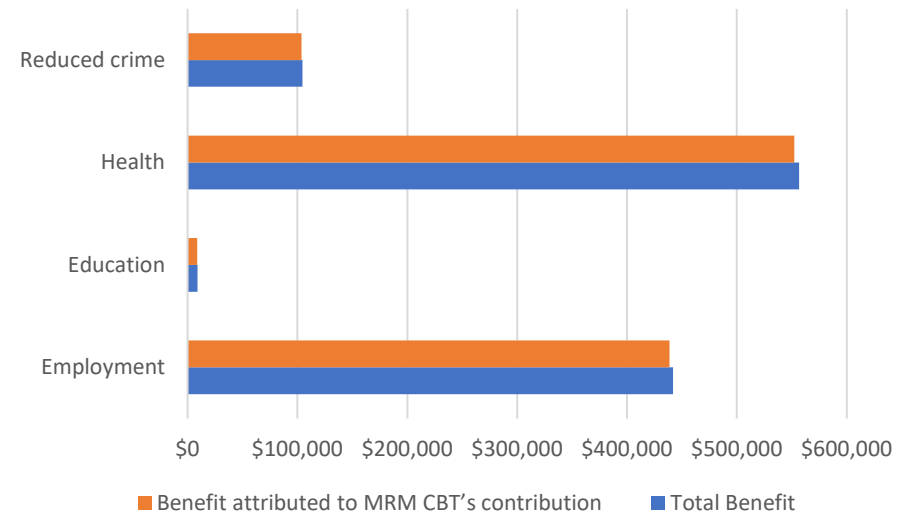
Table 16. Total benefit of Thunders AFL by indicator

	Employment	Education	Health	Reduced crime	Total
Total benefit	\$442,000	\$8,910	\$556,601	\$104,634	\$1,112,145
Benefit attributed to MRM CBT's contribution	\$438,673	\$8,843	\$552,412	\$103,847	\$1,103,775

Table 17. Summary of Thunders AFL, benefits and social returns (MRM CBT relative contribution)

Thunders AFL	MRM CBT contribution	\$138,197
	Approximate value of benefits derived	\$1,103,775
	Net quantitative benefit	\$965,578
	Benefit cost ratio	7.0

Figure 7. Thunders AFL benefit by indicator, total and MRM CBT contribution



# Evaluation 6: Breakfast Program

## Background and Evaluation Framework

### About the project

Breakfast provided to all students at Borroloola School every day. The MRM CBT has continued its support for the Borroloola School Breakfast Program which it has been funding since 2011. This program provides breakfast for the children of the Borroloola School each day. Students arrive at school to find a full breakfast available, which provide a nutritious meal to kick start the day.

### Project aims

The Breakfast program is important for nutrition and wellbeing, where students are encouraged to take time over their breakfast to talk with peers and mentors. The Breakfast Program encourages improved student attendance, improves learning outcomes and encourages community involvement with parents and mentors able to share breakfast.



Table 18. Evaluation Framework for Breakfast Program

Indicators	Measure	Program Logic / Data points
Education	<ul style="list-style-type: none"><li>Improved school attendance due to breakfast club participation</li></ul>	<ul style="list-style-type: none"><li>Average daily number attendees x % students with improved attendance x cost of secondary education (per student per year)</li></ul>
Health	<ul style="list-style-type: none"><li>Improvements in health outcomes due to improved nutrition</li></ul>	<ul style="list-style-type: none"><li>Average daily number attendees x health savings generated by improved nutrition x school days in a year</li></ul>



# Evaluation 6: Breakfast Program

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

This cost-benefit analysis has been modelled over a 3 year period, with costs and benefits appropriately discounted to their present value. The total benefit for the Breakfast program can be seen in Table 19. This demonstrates the total benefit across the relevant indicators, as well as the benefit associated with MRM CBT's relative contribution to the project. This information is also contained in Figure 8.

The results of the cost-benefit analysis can be seen in Table 20. Our analysis estimates that MRM CBT's funding has produced \$842,139 worth of benefits and social returns from the \$94,798 invested by MRM CBT over the three years. The benefits accrued do significantly outweigh the initial investment, with 8.9 dollars accrued for every 1 dollar invested.

It is important to note that whilst MRM CBT covered 100% of the costs of the program, there was also significant in-kind support from the school and teaching staff which has not been captured in this analysis.

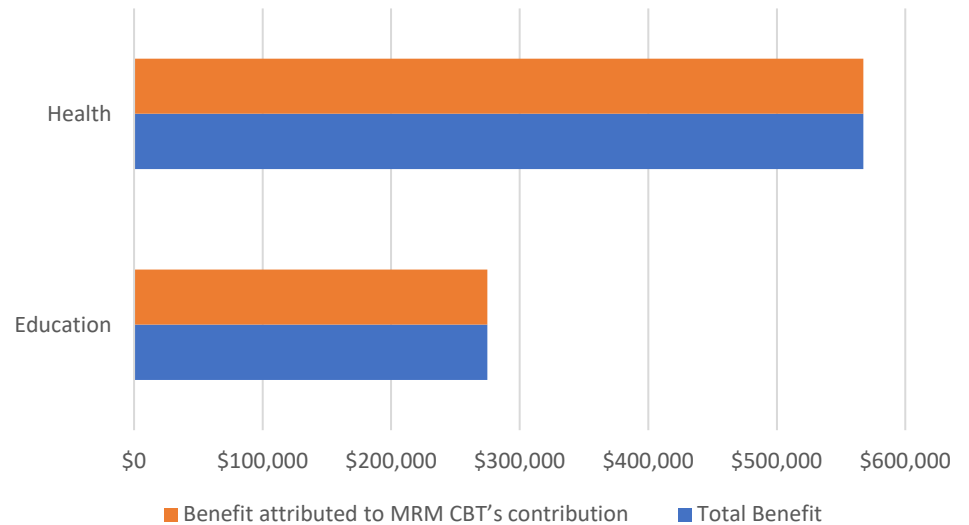
Table 19. Total benefit of Breakfast Program by indicator, over three years

	Education	Health	Total
Total benefit	\$274,751	\$567,388	\$842,139
Benefit attributed to MRM CBT's contribution	\$274,751	\$567,388	\$842,139

Table 20. Summary of Breakfast Program, benefits and social returns (MRM CBT relative contribution), over three years

Breakfast program	MRM CBT contribution	\$94,798
	Approximate value of benefits derived	\$842,139
	Net quantitative benefit	\$747,341
	Benefit cost ratio	8.9

Figure 8. Breakfast program benefit by indicator, total and MRM CBT contribution over three years



# Evaluation 7: JMF Football Scholarships

## Background and Evaluation Framework

### About the project

Provides scholarships to a selection of Sydney boarding schools for students who show exceptional sporting ability, a desire to work hard at school, and have family support for them to attend boarding school.

### Project aims

Through the provision of scholarships JMF aims to provide improved access to education, foster the development of football skills, and to provide opportunities for footballers in Borroloola and Robinson River to broaden their mindset as to what is possible through showcasing the stories of the scholarship recipients.



Table 21. Evaluation Framework for JMF Football Scholarships

Indicators	Measure	Program Logic / Data points
Education outcomes	<ul style="list-style-type: none"><li>Improved educational outcomes</li></ul>	<ul style="list-style-type: none"><li>Combined values of mentoring (through student tutoring), and return on investment of scholarship</li></ul>

# Evaluation 7: JMF Football Scholarships

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

The total benefit for the JMF Football Scholarships and can be seen in Table 22. This demonstrates the total benefit across the relevant indicators, as well as the benefit associated with MRM CBTs relative contribution to the project. This information is also contained in Figure 9.

The results of the cost-benefit analysis can be seen in Table 23. Our analysis estimates that MRM CBT's funding has produced \$406,691 worth of benefits and social returns from the \$234,059 invested by MRM CBT over the year. The benefits accrued outweigh the initial investment, with 1.7 dollars accrued for every 1 dollar invested.

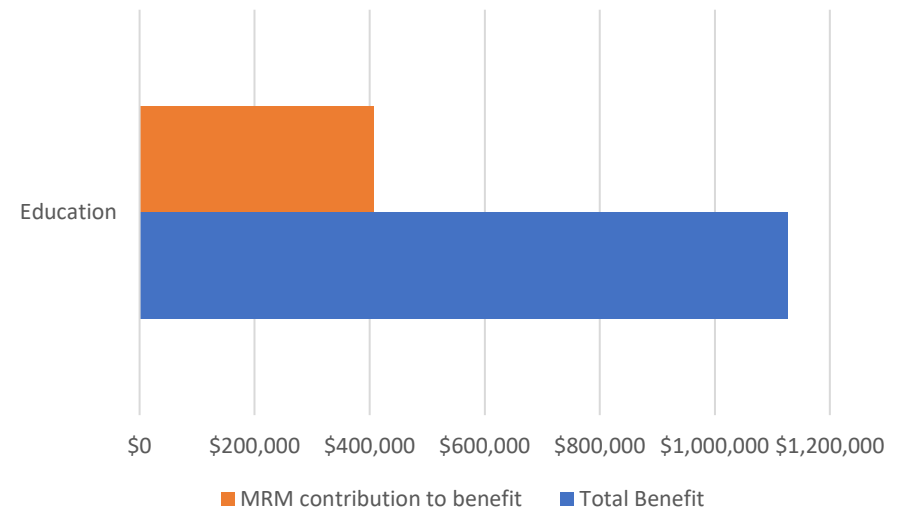
Table 22. Total benefit of JMF Football Scholarships by indicator, per annum

	Education Outcomes	Total
Total benefit	\$1,126,928	\$1,126,928
Benefit attributed to MRM CBT's contribution	\$406,691	\$406,691

Table 23. Summary of JMF Football Scholarships, benefits and social returns (MRM CBT relative contribution), per annum

JMF Football Scholarships	MRM CBT contribution	\$234,059
	Approximate value of benefits derived	\$406,691
	Net quantitative benefit	\$172,633
	Benefit cost ratio	1.7

Figure 9. JMF Football Scholarships benefit by indicator, total and MRM CBT contribution, per annum



# Evaluation 8: JMF Competition Matches

## Background and Evaluation Framework

### About the project

Supports the implementation of a fortnightly youth football competition, and a combined Borroloola-Robinson River team to play in the Katherine competition through 2021.

### Project aims

The competition, and especially the travel to Katherine looks to foster improved school attendance and positive behaviour. Further students will have an opportunity to develop their resilience through travelling away from home, and to demonstrate leadership, teamwork and respect both on the field and during the weekend trips.



Table 24. Evaluation Framework for JMF Competition Matches

Indicators	Measure	Program Logic / Data points
Education outcomes	<ul style="list-style-type: none"><li>Improved school attendance</li></ul>	<ul style="list-style-type: none"><li>Estimated improved engagement at school, weighted for effect attributable to participation in sport, based on the average cost of a year of education</li></ul>
Health outcomes	<ul style="list-style-type: none"><li>Improvements in various health outcomes</li></ul>	<ul style="list-style-type: none"><li>Estimated improvements in various health dimensions (fitness, mental health, substance abuse) weighted for disability weights, at the value of a statistical year in remote communities</li></ul>

# Evaluation 8: JMF Competition Matches

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

The total benefit for the JMF Competition Matches and can be seen in Table 25. This demonstrates the total benefit across the relevant indicators, as well as the benefit associated with MRM CBTs relative contribution to the project. This information is also contained in Figure 10.

The results of the cost-benefit analysis can be seen in Table 26. Our analysis estimates that MRM CBT's funding has produced \$131,770 worth of benefits and social returns from the \$22,000 invested by MRM CBT over the year. The benefits accrued outweigh the initial investment, with 6.0 dollars accrued for every 1 dollar invested.

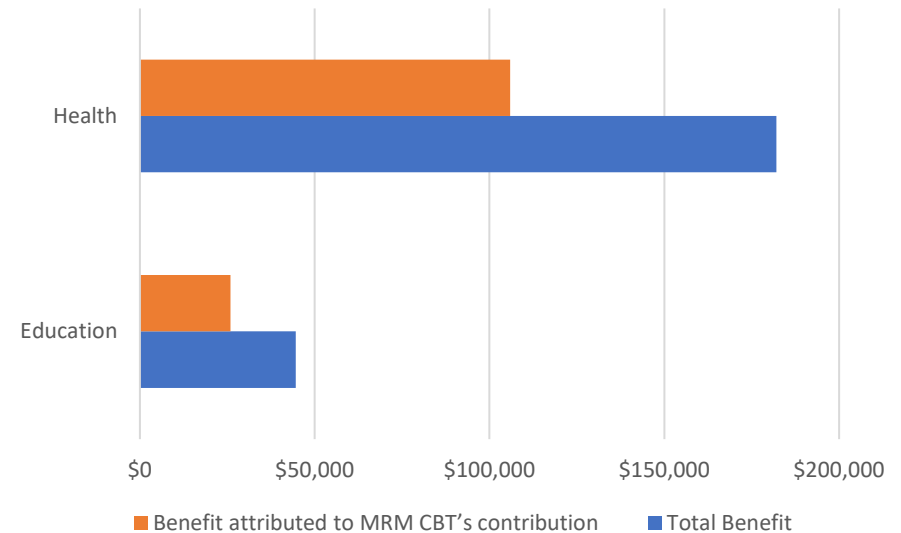
Table 25. Total benefit of JMF Competition Matches by indicator, per annum

	Education Outcomes	Improved Health	Total
Total benefit	\$44,550	\$182,094	\$226,644
Benefit attributed to MRM CBT's contribution	\$25,901	\$105,869	\$131,770

Table 26. Summary of JMF Competition Matches, benefits and social returns (MRM CBT relative contribution), per annum

JMF Competition Matches	MRM CBT contribution	\$22,000
	Approximate value of benefits derived	\$131,770
	Net quantitative benefit	\$109,770
	Benefit cost ratio	6.0

Figure 10. JMF Competition Matches benefit by indicator, total and MRM CBT contribution, per annum



# Evaluation 9: Video Conferencing Hubs

## Background and Evaluation Framework

### About the project

In response to the COVID-19 pandemic, the CBT purchased and installed three remote video conferencing hubs in Borroloola and Robinson River. Due to vendor issues only one site, at the Mabunji Aboriginal Resource Corporation boardroom, is operational at this time.

This equipment has been enthusiastically adopted by its users, who are finding potential for collaboration outside the community previously not possible.

### Project aims

This project aims to facilitate remote collaboration for community, business and service provider stakeholders, including during events such as pandemics and natural disasters.

Table 27. Evaluation Framework for Video Conferencing Hubs

Indicators	Measure	Program Logic / Data points
Economic development	<ul style="list-style-type: none"><li>Savings and benefits generated through availability of VC hub</li></ul>	<ul style="list-style-type: none"><li>Saved travel costs, based on an estimated 30 meetings with an average of 4 external participants that would be required to travel to the meeting at an average of \$500 in travel costs per participant</li><li>Training benefits, based on an estimate of 12 training sessions, with an average of \$1,000 in saved travel costs per trainer</li><li>Improved productivity for Mabunji based on an estimate of 100 meetings, with an average of 2 employees per meeting with an average length of 1.5 hours, with a 10% increase in productivity, based on an hourly rate of \$33.33</li></ul>

# Evaluation 9: Video Conferencing Hubs

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

This cost benefit analysis has been calculated based on the costs and benefits associated with the installation of the hub at the Mabunji Aboriginal Resource Corporation boardroom only, as the other two sites are not yet operational due to issues with the vendor.

The total benefit for each indicator can be seen in the table below. This demonstrates the total benefit in each indicator area, as well as the benefit associated with MRM CBT's relative contribution to the project. This information is contained in Table 28 below and presented visually in Figure 11.

The results of the cost-benefit analysis can be seen in Table 29. Our analysis estimates that the video conferencing hub project will produce \$73,000 worth of benefits and social returns from the \$16,903 invested by MRM CBT. It demonstrates that the benefits accruing from MRM CBT's contribution outweigh the initial investment, with 4.3 dollars accrued for every 1 dollar invested.

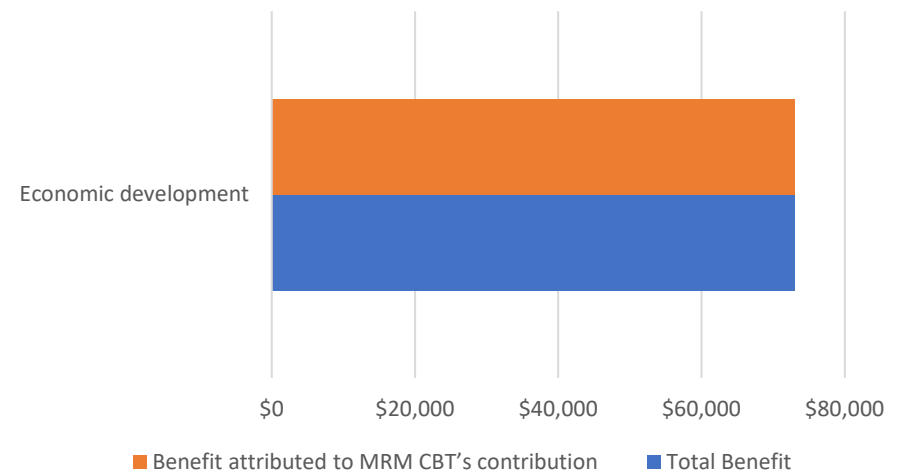
Table 28. Total benefit of video conferencing hub, by indicator

	Economic development	Total
Total benefit	\$73,000	\$73,000
Benefit attributed to MRM CBT's contribution	\$73,000	\$73,000

Table 29. Summary of video conferencing hub costs, benefits and social returns (MRM CBT relative contribution)

Video Conferencing Hub	MRM CBT contribution	\$16,903
	Approximate value of benefits derived	\$73,000
	Net quantitative benefit	\$56,907
	Benefit cost ratio	4.3

Figure 11. Video conferencing hub benefit by indicator, total and MRM CBT contribution





# Evaluation 10: Four Clans Artwork

## Background and Evaluation Framework

### About the project

This project created a large-scale four-clan collaborative artwork that will be on permanent display in the Waralungku Arts Centre, and be reproduced for sale. Additionally, the artwork will be used in a signage strategy for the region, to improve wayfinding and increase awareness of country and cultures to visitors.

### Project aims

This project aims to raise awareness of the importance of country, stories, culture, and the role that art production plays in protecting and preserving all of these things. The project aims to have the artwork reproduced and used in culturally sensitive ways to enhance the place of indigenous culture in the Borroloola region .



Table 30. Evaluation Framework for Four Clans Artwork

Indicators	Measure	Program Logic / Data points
Employment	<ul style="list-style-type: none"> <li>• Payments to artists</li> </ul>	<ul style="list-style-type: none"> <li>• Payments made to the 10 artists involved in the production of the work</li> </ul>
Wellbeing and cultural maintenance	<ul style="list-style-type: none"> <li>• Improved quality of life due to artist participation</li> <li>• Improved quality of life due to cultural pride and education</li> </ul>	<ul style="list-style-type: none"> <li>• Estimated increase in quality of life for artists (10, at \$500 per artists for first year)</li> <li>• Estimated increased quality of life for Borroloola's Aboriginal residents (761 at \$2.50 per resident, per year, discounted)</li> </ul>
Economic development	<ul style="list-style-type: none"> <li>• Estimate sales of artwork</li> </ul>	<ul style="list-style-type: none"> <li>• Based on 10 sales each of large and small reproduction, per year, at prices advertised on website, discounted</li> </ul>

# Evaluation 10: Four Clans Artwork

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

This cost-benefit analysis has been modelled over a 3 year period, with costs and benefits appropriately discounted to their present value. The total benefit for the Four Clans Artwork project can be seen in Table 31. This demonstrates the total benefit across the relevant indicators, as well as the benefit associated with MRM CBTs relative contribution to the project. This information is also contained in Figure 12.

The results of the cost-benefit analysis can be seen in Table 32. Our analysis estimates that MRM CBT's funding has produced \$31,670 worth of benefits and social returns from the \$10,560 invested by MRM CBT over the three years. The benefits accrued do significantly outweigh the initial investment, with 3.0 dollars accrued for every 1 dollar invested.

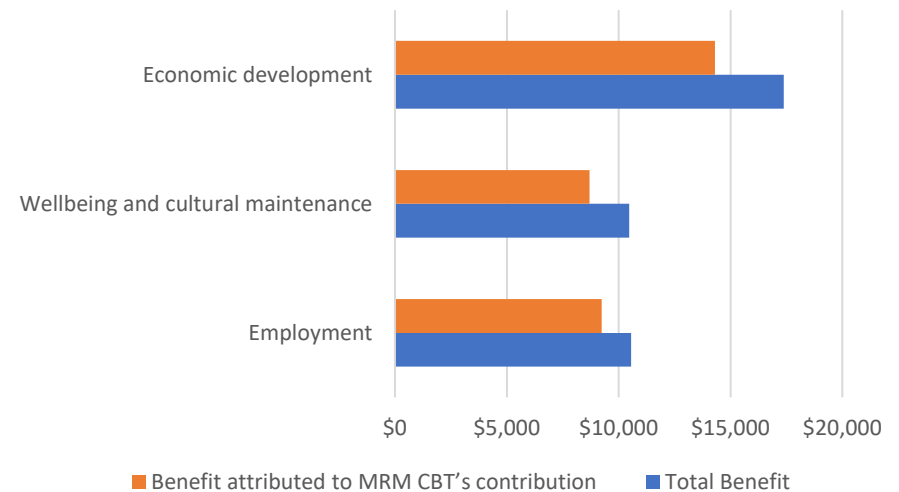
Table 31. Total benefit of Four Clans Artwork project, by indicator

	Employment	Wellbeing and cultural maintenance	Economic development	Total
Total benefit	\$10,560	\$10,465	\$17,380	\$38,405
Benefit attributed to MRM CBT's contribution	\$9,237	\$8,694	\$13,739	\$31,670

Table 32. Summary of Four Clans Artwork project costs, benefits and social returns (MRM CBT relative contribution)

Four Clans Artwork	MRM CBT contribution	\$10,560
	Approximate value of benefits derived	\$31,670
	Net quantitative benefit	\$21,110
	Benefit cost ratio	3.0

Figure 12. Four Clans Artwork project benefit by indicator, total and MRM CBT contribution



# Evaluation 11: MAWA Bush Tracks Riding Program

## Background and Evaluation Framework

### About the project

The Bike Program is an after school, weekend and holiday program for youth and young adults that provides bikes, mentors and a group environment to facilitate enjoying country and wellbeing along with social outcomes.

### Project aims

This project aims to provide an opportunity for socialising whilst engaged in an activity that promotes health and fitness, and positive behaviour through mentoring.



Table 33. Evaluation Framework for Holiday Bike Program

Indicators	Measure	Program Logic / Data points
Health	<ul style="list-style-type: none"><li>Improved Quality of Life due to social and fitness benefits of participation</li></ul>	<ul style="list-style-type: none"><li>Average of 20 attendees attending daily through two school terms, resulting in improved quality of life (\$50 per incidence)</li></ul>
Reduced crime	<ul style="list-style-type: none"><li>Cost avoided due to decreased involvement with criminal justice system</li></ul>	<ul style="list-style-type: none"><li>Average 20 attendees resulting in a reduction in offending with weekly sports activities, against the cost of an average period of youth incarceration weighted by statistical likelihood of incarceration (\$2,924 per user per year), weighted for program running half of year.</li></ul>
Employment	<ul style="list-style-type: none"><li>Direct employment</li></ul>	<ul style="list-style-type: none"><li>Average salary (\$65,000) x Estimated staff (0.4 FTE mentors and maintenance staff)</li></ul>

# Evaluation 11: MAWA Bush Tracks Riding Program

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

The total benefit for each indicator can be seen in the table below. This demonstrates the total benefit in each indicator area, as well as the benefit associated with MRM CBT's relative contribution to the project. This information is contained in Table 34 below and presented visually in Figure 13.

The results of the cost-benefit analysis can be seen in Table 35. Our analysis estimates that the holiday bike program will produce \$79,326 worth of benefits and social returns from the \$20,900 invested by MRM CBT. It demonstrates that the benefits accruing from MRM CBT's contribution outweigh the initial investment, with 2.8 dollars accrued for every 1 dollar invested.

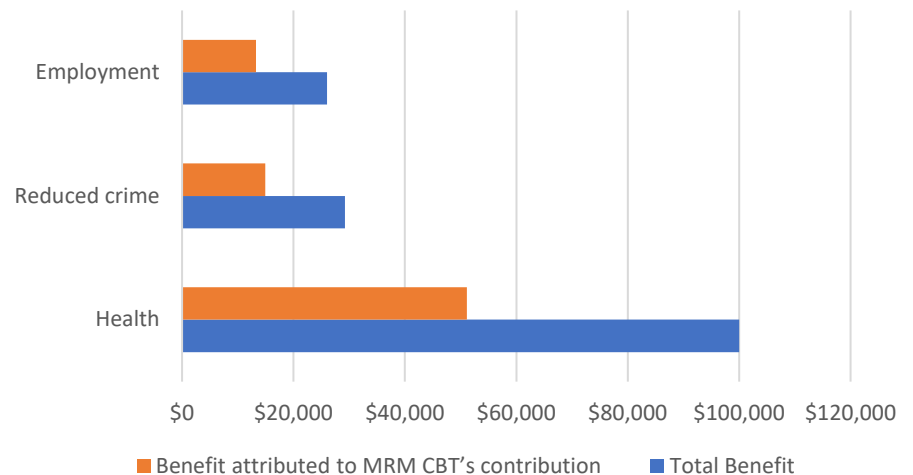
Table 34. Total benefit of MAWA Bush Tracks Riding program, by indicator

	Health	Reduced crime	Employment	Total
Total benefit	\$100,000	\$29,236	\$26,000	\$155,236
Benefit attributed to MRM CBT's contribution	\$51,100	\$14,940	\$13,286	\$79,326

Table 35. Summary of holiday bike program costs, benefits and social returns (MRM CBT relative contribution)

MAWA Bush Tracks Riding Program	MRM CBT contribution	\$20,900
	Approximate value of benefits derived	\$79,326
	Net quantitative benefit	\$58,426
	Benefit cost ratio	3.8

Figure 13. MAWA Bush Tracks Riding program benefit by indicator, total and MRM CBT contribution



# Evaluation 12: Family Fun Days - Two Way Learning Program

## Background and Evaluation Framework

### About the project

Family Fun Days first started to improve student engagement and build cultural identity. Each term there are two Family Fun Days, each with a theme and prizes for community members who participate. There will also be an art project each semester that will bring students and families together to create an art piece for the school.

### Project aims

The project aims to increase school attendance, increase family participation in school, engage students in Australian Curriculum and achieve a minimum C grade, and build strong identity and cultural knowledge.



Table 36. Evaluation Framework for Family Fun Days

Indicators	Measure	Program Logic / Data points
Education	<ul style="list-style-type: none"> <li>Increased attendance</li> </ul>	<ul style="list-style-type: none"> <li>Estimated 5% improvement in attendance for the enrolled students</li> </ul>
Wellbeing and cultural maintenance	<ul style="list-style-type: none"> <li>Improved quality of life</li> </ul>	<ul style="list-style-type: none"> <li>Estimated improvement in quality of life due to participation in social, sporting and cultural activities in the program of \$50 per enrolled student, plus one attending parent per student</li> </ul>

# Evaluation 12: Family Fun Days - Two Way Learning Program

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

The total benefit for each indicator can be seen in the table below. This demonstrates the total benefit in each indicator area, as well as the benefit associated with MRM CBT's relative contribution to the project. This information is contained in Table 37 below and presented visually in Figure 14.

The results of the cost-benefit analysis can be seen in Table 38. Our analysis estimates that Family Fun Days will produce \$46,410 worth of benefits and social returns from the \$27,500 invested by MRM CBT. It demonstrates that the benefits accruing from MRM CBT's contribution outweigh the initial investment, with 1.7 dollars accrued for every 1 dollar invested.

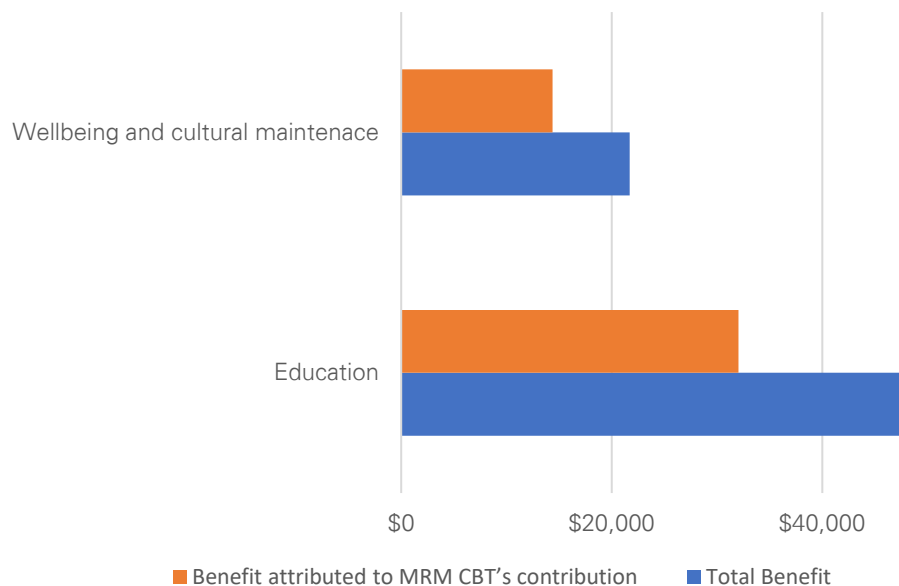
Table 37. Total benefit of Family Fun Days, by indicator

	Education	Wellbeing and cultural maintenance	Total
Total benefit	\$48,337	\$21,700	\$70,037
Benefit attributed to MRM CBT's contribution	\$32,030	\$14,380	\$46,410

Table 38. Summary of Family Fun Days costs, benefits and social returns (MRM CBT relative contribution)

Family Fun Days – Two Way Learning Program	MRM CBT contribution	\$27,500
	Approximate value of benefits derived	\$46,410
	Net quantitative benefit	\$18,910
	Benefit cost ratio	1.7

Figure 14. Family Fun Days benefit by indicator, total and MRM CBT contribution





# Evaluation 13: Academic Assistance Bursary Program

## Background and Evaluation Framework

### About the project

The Academic Assistance Bursary seeks to provide funding to support secondary school students in Borroloola, Robinson River, Outstations and Town Camps attending school locally or elsewhere to purchase essential IT equipment (computers, laptops, tablets and accompanying supplies) for school.

### Project aims

This project aims to facilitate remote learning in extreme events such as pandemics and natural disasters, ensure students are able to access IT equipment, and to improve digital illiteracy of the students in the Borroloola region.

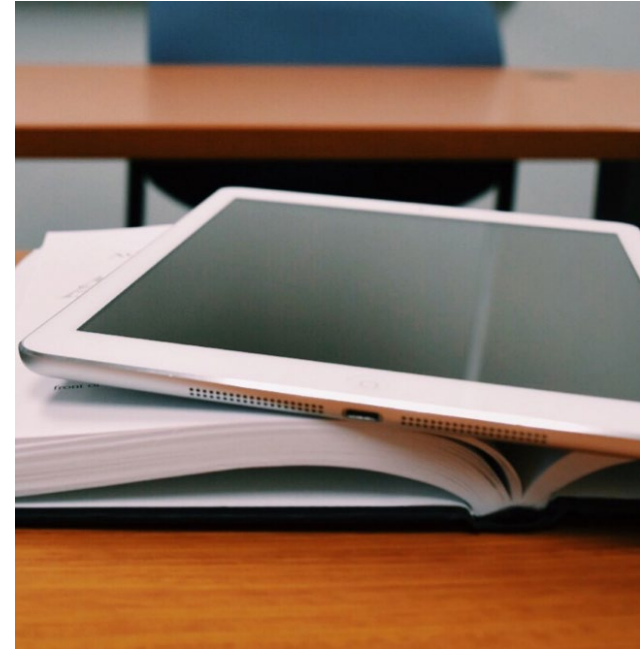


Table 39. Evaluation Framework for Academic Assistance Bursary

Indicators	Measure	Program Logic / Data points
Education	<ul style="list-style-type: none"><li>Improved school attendance due to access to IT equipment</li></ul>	<ul style="list-style-type: none"><li>Number of students provided with a laptop by estimated improved attendance of 50% of students, students assumed to use laptops for three years, discounted</li></ul>
Employment	<ul style="list-style-type: none"><li>Improved digital literacy</li></ul>	<ul style="list-style-type: none"><li>Number of students provided with a laptop by 10% of the value of a digital literacy for employment training course</li></ul>

# Evaluation 13: Academic Assistance Bursary Program

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

This cost-benefit analysis has been modelled over a 3 year period, with costs and benefits appropriately discounted to their present value.

The total benefit for each indicator can be seen in the table below. This demonstrates the total benefit in each indicator area, as well as the benefit associated with MRM CBT's relative contribution to the project. This information is contained in Table 40 below and presented visually in Figure 15.

The results of the cost-benefit analysis can be seen in Table 41. Our analysis estimates that the academic assistance bursary program will produce \$1,150,729 worth of benefits and social returns from the \$311,528 invested by MRM CBT. It demonstrates that the benefits accruing from MRM CBT's contribution outweigh the initial investment, with 3.7 dollars accrued for every 1 dollar invested.

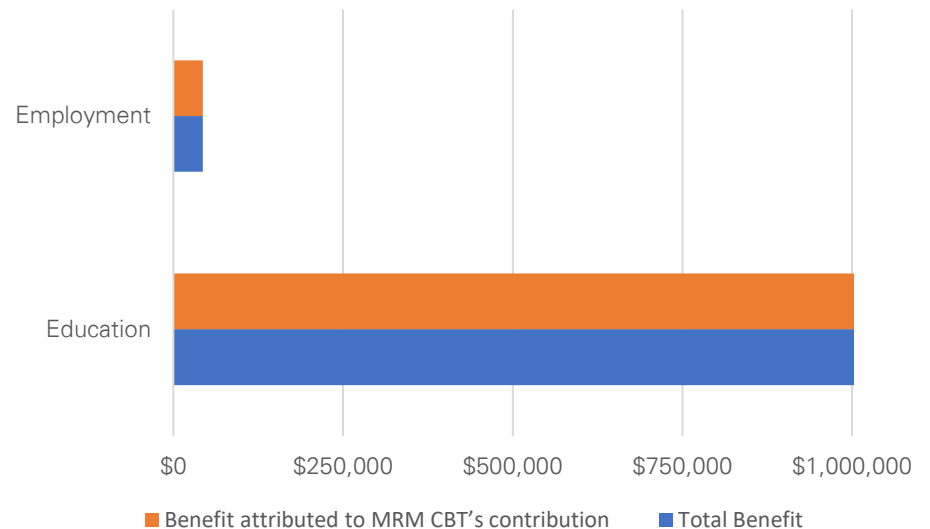
Table 40. Total benefit of the academic assistance bursary program, by indicator

	Education	Employment	Total
Total benefit	1,107,461	\$43,268	\$1,150,729
Benefit attributed to MRM CBT's contribution	1,107,461	\$43,268	\$1,150,729

Table 41. Summary of academic assistance bursary program costs, benefits and social returns (MRM CBT relative contribution)

Academic Assistance Bursary Program	MRM CBT contribution	\$311,528
	Approximate value of benefits derived	\$1,150,729
	Net quantitative benefit	\$839,200
	Benefit cost ratio	3.7

Figure 15. Academic assistance bursary program benefit by indicator, total and MRM CBT contribution



# Evaluation 14: Mungoorbada Facilities Upgrade

## Background and Evaluation Framework

### About the project

This facility upgrade will provide a space for community meetings, visiting agency meetings, and for the community to undertake online training and participate in online education programs. This project will also provide a location for students to participate in education programs via the teleconferencing facilities and provision of tutoring.

The upgraded facility has an estimated useful life of 10 years.

### Project aims

This project aims to provide a community space to improve education and employment provision to the Robinson River community.



Table 42. Evaluation Framework for Mungoorbada Facilities Upgrade

Indicators	Measure	Program Logic / Data points
Education	<ul style="list-style-type: none"> <li>Engagement with education for boarding school leavers</li> <li>Online training for community members</li> </ul>	<ul style="list-style-type: none"> <li>Estimated 12 students who have disengaged with boarding school achieving estimated 25% of the value of school attendance through online training and tutoring activities</li> <li>Estimated 60 community members attending an average of 4 training sessions per year with a 32% return on estimated \$250 per session of training, with 20% attendance attributed to improved facilities</li> </ul>
Employment	<ul style="list-style-type: none"> <li>Direct employment salary</li> </ul>	<ul style="list-style-type: none"> <li>3 local employees on project for 8 weeks</li> <li>0.25 FTE tutor ongoing</li> </ul>
Wellbeing	<ul style="list-style-type: none"> <li>Improved quality of life</li> <li>Saved travel costs</li> </ul>	<ul style="list-style-type: none"> <li>Estimated 50 annual court appearances able to be completed from community resulting in improved quality of life (\$50 per incidence)</li> <li>Estimated \$50 benefit per community member per year</li> <li>Saved travel costs, based on an estimated 30 meetings with an average of 4 external participants that would be required to travel to the meeting at an average of \$500 in travel costs per participant</li> </ul>

# Evaluation 14: Mungoorbada Facilities Upgrade

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

This cost-benefit analysis has been modelled over a 10 year period, with costs and benefits appropriately discounted to their present value.

The total benefit for each indicator can be seen in the table below. This demonstrates the total benefit in each indicator area, as well as the benefit associated with MRM CBT's relative contribution to the project. This information is contained in Table 43 below and presented visually in Figure 16.

The results of the cost-benefit analysis can be seen in Table 44. Our analysis estimates that the Mungoorbada facilities upgrade project will produce \$637,293 worth of benefits and social returns from the \$154,000 invested by MRM CBT. It demonstrates that the benefits accruing from MRM CBT's contribution outweigh the initial investment, with 4.1 dollars accrued for every 1 dollar invested.

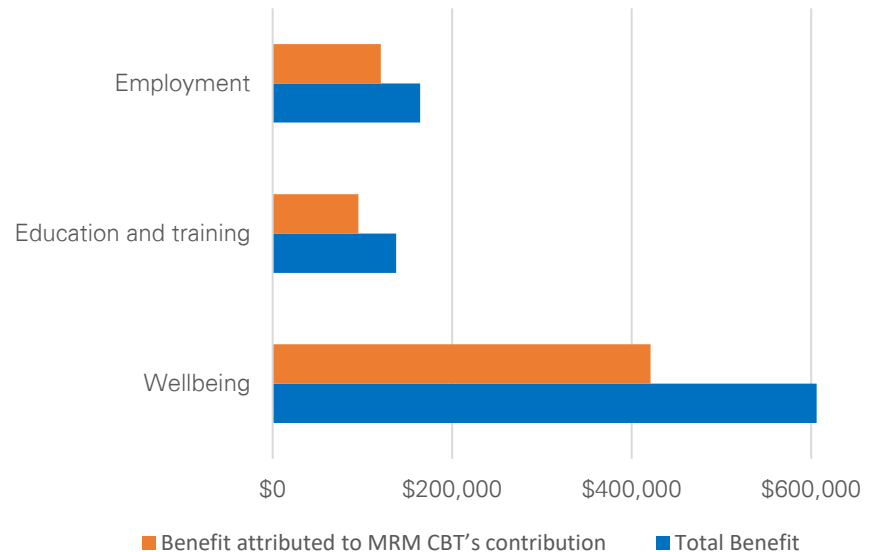
Table 43. Total benefit of Mungoorbada facilities upgrade, by indicator

	Wellbeing	Education and training	Employment	Total
Total benefit	\$606,102	\$137,660	\$164,368	\$908,130
Benefit attributed to MRM CBT's contribution	\$421,142	\$95,651	\$120,500	\$637,293

Table 44. Summary of Mungoorbada facilities upgrade costs, benefits and social returns (MRM CBT relative contribution)

Mungoorbada Facilities Upgrade	MRM CBT contribution	\$154,000
	Approximate value of benefits derived	\$637,293
	Net quantitative benefit	\$483,293
	Benefit cost ratio	4.1

Figure 16. Mungoorbada facilities upgrade benefit by indicator, total and MRM CBT contribution



# Evaluation 15: Rocky Creek Bridge Construction

## Background and Evaluation Framework

### About the project

The CBT have provided \$1.54 million contribution towards the construction of a new two-lane bridge and approach roads over the Rocky Creek Crossing on Robinson Road, in partnership with Roper Gulf Regional Council and the Northern Territory Government.

### Project aims

The bridge will increase flood immunity and allow Borroloola to keep functioning in the event of heavy wet weather. This project also supports local employment by providing work opportunities during construction.



Table 45. Evaluation Framework for Rocky Creek Bridge Construction

Indicators	Measure	Program Logic / Data points
Employment	<ul style="list-style-type: none"><li>Direct employment salary</li></ul>	<ul style="list-style-type: none"><li>7 local employees on project for 6 months</li></ul>
Economic benefits	<ul style="list-style-type: none"><li>Saved cost of time and fuel in taking detour</li></ul>	<ul style="list-style-type: none"><li>30km detour estimated for 3 months of every year, for 126 residential users and 50 commercial users per day. Fuel costs per ATO rate, and time based on a 1 hour detour.</li></ul>
Wellbeing	<ul style="list-style-type: none"><li>Improved quality of life</li></ul>	<ul style="list-style-type: none"><li>Estimated \$500 benefit per community member per year</li></ul>

# Evaluation 15: Rocky Creek Bridge Construction

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

The total benefit for each indicator can be seen in the table below. This demonstrates the total benefit in each indicator area, as well as the benefit associated with MRM CBT's relative contribution to the project. This information is contained in Table 46 below and presented visually in Figure 17.

The results of the cost-benefit analysis can be seen in Table 47. Our analysis estimates that the Rocky Creek Bridge construction project will produce \$1,828,351 worth of benefits and social returns from the \$1,540,000 invested by MRM CBT. It demonstrates that the benefits accruing from MRM CBT's contribution outweigh the initial investment, with 1.2 dollars accrued for every 1 dollar invested.

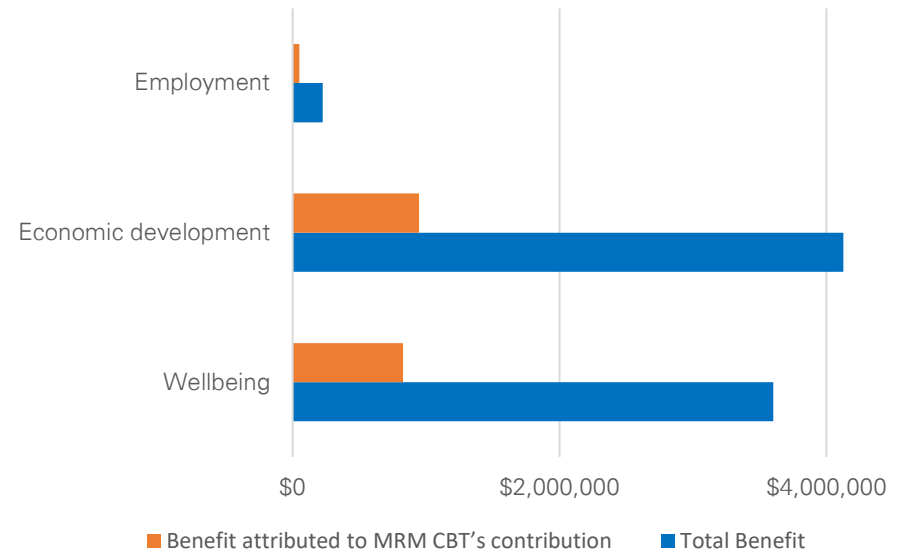
Table 46. Total benefit of Rocky Creek Bridge construction project, by indicator

	Wellbeing	Economic development	Employment	Total
Total benefit	\$3,601,058	\$4,125,956	\$52,291	\$7,954,514
Benefit attributed to MRM CBT's contribution	\$827,706	\$948,354	\$71,914	\$1,828,351

Table 47. Summary of Rocky Creek Bridge construction costs, benefits and social returns (MRM CBT relative contribution)

Rocky Creek Bridge Construction	MRM CBT contribution	\$1,540,000
	Approximate value of benefits derived	\$1,828,351
	Net quantitative benefit	\$288,351
	Benefit cost ratio	1.2

Figure 17. Rocky Creek Bridge construction benefit by indicator, total and MRM CBT contribution





# Evaluation 16: Fauna Surveys

## Background and Evaluation Framework

### About the project

Fauna monitoring on Maria and North Islands is a three-year program by the Li-Anthawirriyarra and Yugal Mangi Sea Rangers. The project employs six to eight full time employees of the Li-Anthawirriyarra Sea Ranger Unit. All data are be shared with the Department of Environment and the Natural Resources Fauna Atlas.

### Project aims

This project aims to determine if feral cats are present on the islands and to track mammal numbers since 2010 when previous survey was completed. When completed, the project will be able to advise future Indigenous Protected Area (IPA) and parks management feedback to help preserve native wildlife populations on the islands.



Table 48. Evaluation Framework for Fauna Surveys

Indicators	Measure	Program Logic / Data points
Environmental	<ul style="list-style-type: none"><li>Contribution to the value of ecosystem services</li></ul>	<ul style="list-style-type: none"><li>An estimated 1% contribution to the value of the ecosystem service value per annum</li></ul>
Wellbeing and cultural maintenance	<ul style="list-style-type: none"><li>Improved Quality of Life due to participation</li></ul>	<ul style="list-style-type: none"><li>Improved quality of life due to cultural preservation and learning activities of an estimated \$2,500 per year for the rangers involved in the project</li></ul>
Employment	<ul style="list-style-type: none"><li>Direct employment salary</li></ul>	<ul style="list-style-type: none"><li>Total of 18 employees (8 rangers and 10 junior rangers for a total of 20 days work per year)</li></ul>

# Evaluation 16: Fauna Surveys

## Quantitative cost-benefit analysis

### Cost-Benefit analysis

The total benefit for each indicator can be seen in the table below. This demonstrates the total benefit in each indicator area, as well as the benefit associated with MRM CBT's relative contribution to the project. This information is contained in Table 49 below and presented visually in Figure 18.

The results of the cost-benefit analysis can be seen in Table 50. Our analysis estimates that the Fauna Survey project will produce \$532,375 worth of benefits and social returns from the \$120,307 invested by MRM CBT. It demonstrates that the benefits accruing from MRM CBT's contribution outweigh the initial investment, with 4.4 dollars accrued for every 1 dollar invested.

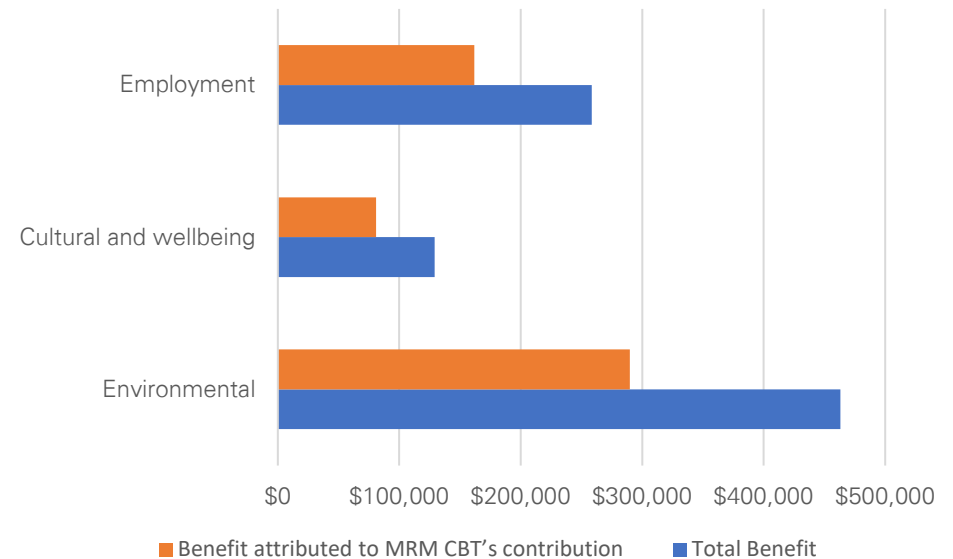
Table 49. Total benefit of Fauna Surveys, by indicator

	Environmental	Wellbeing and cultural maintenance	Employment	Total
Total benefit	\$463,175	\$129,270	\$258,540	\$850,985
Benefit attributed to MRM CBT's contribution	\$289,762	\$80,871	\$161,742	\$532,375

Table 50. Summary of Fauna Surveys costs, benefits and social returns (MRM CBT relative contribution)

Fauna Surveys	MRM CBT contribution	\$120,307
	Approximate value of benefits derived	\$532,375
	Net quantitative benefit	\$412,068
	Benefit cost ratio	4.4

Figure 18. Fauna Surveys benefit by indicator, total and MRM CBT contribution





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