



# Asset Management Plan

## Parks & Reserves

*Policy Number: POL12/54*

*Adopted: 20/11/2007*

*Reaffirmed: 28/07/2009*

*Amended: 15/04/2014*

*Minute Number: MIN07.1651, MIN09.978, MIN14.266*

*File: 31367E*

*Produced By: Assets and Works Group*

*Review Date: 01/12/2016*

---

**For more information contact the Assets and Works Group**

Administrative Centre, Bridge Road, Nowra • Telephone (02) 4429 3111 • Fax (02) 4422 1816 • PO Box 42 Nowra 2541  
Southern District Office – Deering Street, Ulladulla • Telephone (02) 4429 8999 • Fax (02) 4429 8939 • PO Box 737  
Ulladulla

[council@shoalhaven.nsw.gov.au](mailto:council@shoalhaven.nsw.gov.au) • [www.shoalhaven.nsw.gov.au](http://www.shoalhaven.nsw.gov.au)

---

---

**Disclaimer**

Every effort has been made to provide accurate and complete information.  
However, Shoalhaven City Council assumes no responsibility for any direct, indirect, incidental, or consequential damages arising from the use of information in this document.

**Copyright Notice**

No part of this publication may be reproduced in any form, or stored in a database or retrieval system, or transmitted or distributed in any form by any means, electronic, mechanical photocopying, recording, or otherwise without written permission from Shoalhaven City Council. All rights reserved.

Copyright © 2011, Shoalhaven City Council

---

# CONTENTS

<b>1. EXECUTIVE SUMMARY</b> .....	<b>1</b>
1.1. The Purpose of the Plan.....	2
1.2. Asset Description .....	3
1.3. Levels of Service .....	4
1.4. Future Demand .....	4
1.5. Lifecycle Management Plan .....	5
1.6. Financial Summary.....	5
1.7. Asset Management Practices.....	5
1.8. Monitoring and Improvement Programme.....	5
<b>2. INTRODUCTION</b> .....	<b>6</b>
2.1. Background .....	6
2.2. Goals and Objectives of Asset Ownership.....	7
2.3. Plan Framework .....	8
2.4. Core and Advanced AM .....	9
<b>3. LEVELS OF SERVICE</b> .....	<b>10</b>
3.1. Customer Research and Expectations.....	10
3.2. Strategic and Corporate Goals.....	10
3.3. Legislative Requirements .....	12
3.4. Current Level of Service.....	13
3.5. Desired Level of Service (LoS).....	15
<b>4. FUTURE DEMANDS</b> .....	<b>15</b>
4.1. Demand Drivers .....	15
4.2. Demand Forecasts .....	16
4.3. Demand Impacts on Assets .....	17
4.4. Demand Management Plan.....	17
4.5. Asset Programmes to Meet Demand .....	18
<b>5. LIFECYCLE MANAGEMENT PLAN</b> .....	<b>21</b>
5.1. Background Data.....	21
5.2. Infrastructure Risk Management Plan.....	21
5.3. Routine Operations and Maintenance Plan.....	22
5.4. Renewal / Replacement Plan .....	24
5.5. Creation / Acquisition / Augmentation Plan .....	25
5.6. Disposal Plan .....	27
<b>6. FINANCIAL SUMMARY</b> .....	<b>27</b>
6.1. Financial Statements and Projections.....	28
6.2. Funding Strategy .....	29

6.3.	Valuation Forecasts.....	35
6.4.	Key Assumptions Made in Financial Forecasts.....	35
6.5.	Forecast Reliability and Confidence.....	36
<b>7.</b>	<b>PLAN IMPROVEMENT AND MONITORING .....</b>	<b>36</b>
7.1.	Status of AM Practices .....	36
7.2.	Improvement Programme.....	38
7.3.	Monitoring and Review Procedures .....	39
7.4.	Performance Measures .....	39
<b>8.</b>	<b>REFERENCES .....</b>	<b>40</b>
<b>9.</b>	<b>APPENDICES.....</b>	<b>40</b>
9.1	Glossary .....	40
<b>10.</b>	<b>REVIEW.....</b>	<b>51</b>
	<b>ATTACHMENT 1 – BACKGROUND DATA.....</b>	<b>52</b>
	<b>ATTACHMENT 2 – PARKS AND RESERVES RISK MANAGEMENT PROCEDURE .....</b>	<b>99</b>

## **1. EXECUTIVE SUMMARY**

Shoalhaven City Council currently manages about 1,550 Hectares of public reserve that play a critical and important part in the provision of active and passive recreational activities for residents and visitors of the Shoalhaven Local Government Area.

Regular cyclic maintenance is undertaken to approximately 862 locations comprising 1,550 Hectares. In addition there are a number of other separately funded landscaped areas that receive regular maintenance such as car parks, streetscaping to CBDs, landscaped traffic facilities and other road reserve locations and regularly mowed footpaths and road verges in urban areas and coastal reserves, which are not included in this Asset Management Plan.

The network of reserves includes both crown and Council owned land and their management is in accordance with specific and generic Plans of Management that have been prepared in accordance with Section 35 of the local Government Act.

Management of the reserves is also guided by the –

- Recreation Strategy
- Parks Enhancement Policy
- Playground Strategy
- Walking Tracks Strategy
- Sports Facilities Plan – 2016
- Foreshores Reserves Policy
- Policy for Provision of Skate Facilities and BMX Tracks
- Policy for Icon Parks
- Sporting Facility Carparks Sealing Strategy
- Sporting Facilities Classification System
- S94 Plan for Active and Passive Community Facilities
- Sportsground Strategic Plan

These documents and other Council policies have been referenced in determining the capital and operational funding requirements with respect to those facilities.

However, it needs to be noted that the current maintenance and capital provision for parks and reserves is only 76% of that required to meet the agreed and required maintenance standards, previously considered strategies and planned capital works.

The imbalance can be partly met through a revision of the agreed standards and matching these with community expectations through consultation. However, it is clear that additional maintenance funding is required if the existing assets are not to deteriorate further, resulting in a future drain on capital and urgent maintenance funds.

To support the community, Council maintains a network of physical infrastructure within the Shoalhaven Local Government Area (LGA). This infrastructure provides a platform for economic and social development strengthens the link between the community and the natural environment and creates a sense of place for the local community and its visitors. This infrastructure is integral to the community's well-being and their quality of life.

## **1.1. The Purpose of the Plan**

The purpose of an Asset Management Plan (AMP) is to manage assets, based on data research and investigation, to determine how assets are to be managed in a sustainable and effective method.

AMPs are used to demonstrate how Council's assets are managed based on past and present information to create sustainable and reliable future planning. AMP will be the basic source for decisions of creating, renewal, replacement or demolition of an asset. AMPs are also designed to ensure that assets acquired support and meet the strategic and annual objectives of the organisation and that the cost of providing the service to the community does not outweigh the benefits.

AMPs are fundamental to achieving key elements of asset management, the foundation of the Plan includes as follows:

- Defining levels of service – specifies the services and levels of service to be provided by Council for each asset type
- Condition assessment – specifies the technical tools used to assess the condition of each asset
- Life cycle management – how Council will manage its existing and future assets to provide the required services
- Financial summary – what funds are required to provide the required services
- Asset management practices – how the organisation will manage its assets and the tools it will use to accomplish this
- Monitoring – how the Plan will be monitored to ensure it is meeting Council's objectives
- Asset Management Improvement Plan

The desirable situation is that the annual capital works and maintenance programmes need to allocate sufficient resources to ensure these objectives are obtained.

## 1.2. Asset Description

There are currently about 1,300 locations that receive regular maintenance totalling some 3,000 hectares. All assets contained within the reserves are covered under this Plan with the exception of the following categories that have separate Asset Management Plans:

- Public amenities
- Waterways Facilities
- Coastal fencing and beach access ways
- Paths & Cycleways that are part of the transport network
- Walking tracks
- Public Halls & buildings
- Tennis & other courts e.g. netball
- Playgrounds

An assessment of the condition of all assets within reserves was conducted during 2011 and 2012. The 'hard' assets contained within the reserves comprise as of December 2012:

Asset Description	Quantity	Average Condition
Fencing (vehicular gates)	395	Good-Fair
Fencing (metal/brick/pool)	3,428 lm	Good-Fair
Fencing (post & rail)	33,027 lm	Good-Fair
Fencing (post & wire)	90,663 lm	Good
Fencing (bollards)	2,603 lm	Fair
Fencing (stockyard, steel/timber)	6,733 lm	Good-Fair
Fencing (timber picket)	1,081 lm	Good
Paths (gravel)	107,550 lm	Fair
Paths (paved)	251,800 lm	Good-Fair
Benches/Chairs	1,068	Fair
Picnic table/benches	759	Fair
BBQ wood	48	Fair
BBQ gas/electric	75	Fair
Pedestrian Bridges	151 (680 lm)	Fair
Pergola/Rotunda/Stage	47 (538 sqm)	Good-Fair
Viewing Platforms	103 (429 sqm)	Good
Picnic shelters	61	Good
Car parks/access roads (gravel)	75,136 lm	Fair
Car parks/access roads (sealed)	318,456 lm	Fair
Signs	755	Fair
Cricket pitches	32	Fair
Cricket practice nets	22	Fair
Skate parks	10	Good - Fair
Retaining walls	183	Good - Fair
Landscape bed edging	2,100 lm	Good
Litter bins	1,900	Fair
Water taps/drinking/showers	93	Good - Fair
Ramps & steps	440	Good
Buildings	615	Fair

+ Litter bins are replaced whenever needing maintenance, so the value of defects in the field is nil.

\* Ramps and steps are repaired from risk management funds immediately whenever defects are discovered, so the value of defects in the field is nil.

**Table 1 Asset Numbers and Condition**

### **1.3. Levels of Service**

Understanding Levels of Service (LoS) determines what type of assets will be provided; how often they will be maintained, and when assets will be rehabilitated or replaced. The current level of service is balancing budget and expenditure to be as sustainable and efficient as possible.

### **1.4. Future Demand**

Factors affecting demand include population change, changes in demographics, seasonal factors, transportation ownership and access, consumer preferences and expectations, economic factors, agricultural practices and environmental awareness for example.

Demand for infrastructure is generated predominantly through either an increased utilisation of existing infrastructure brought about by the factors above or the requirement for new infrastructure to meet the needs of growth in new development.

The demand created by these two circumstances requires analysis to consider the ramifications to existing infrastructure and the ability of the associated infrastructure to cope with the increased infrastructure.

The New Facility Programme includes identified capital installations over the next ten (10) years and mainly relates to sports fields and indoor centres, tennis courts and skate parks. There are also new parks that will be created under the Section 94 plan but as these are funded separately to the parks budget, they are not included here.

#### Section 94 Contribution Plan

- **Passive Recreation**  
Most passive recreation facilities will be provided through developer contributions and will generally not require a Council contribution. Accordingly, they are not considered further in this strategy document.
  
- **Active Recreation**  
The Section 94 Contribution Plan for Active Recreation is currently under review. Until such time as the review is complete it would not be appropriate to include this contributions plan in this Asset Management Plan. Once the review is completed, it should be considered in the light of this Parks and Reserves Asset Management Plan and the Plan reviewed accordingly.

The total of all new facility estimates has been averaged or annualised into an annual amount over each of the next ten (10) years. The actual amount required in any given year could vary greatly from this annualised sum depending on the capital works programme for that year.



### **1.5. Lifecycle Management Plan**

The management of parks and reserves is predominantly related to the maintenance and renewal stages of asset life. After construction phase of the asset, it moves into what is known as the “Maintain” phase. Maintenance activities are required to minimise continued deterioration of an asset. As the asset components move towards the end of its life, activities are undertaken to restore the asset to a condition close to that of the original. This is referred to as the “Renewal” phase.

The importance of the time for intervention for renewal is paramount. If renewal activities are not undertaken in a timely manner, the condition of the asset will deteriorate rapidly to failure, with the attendant cost of reconstruction being many times more that of renewal activities.

### **1.6. Financial Summary**

Most of Council’s parks and reserves network was constructed by developers and from government grants, often provided and accepted without consideration of ongoing operations, maintenance and replacement needs.

Many of these assets are approaching the later years of their life and require replacement. Services from the assets are decreasing and maintenance costs are increasing. Our present funding levels are insufficient to continue to provide existing services at current levels in the medium term.

### **1.7. Asset Management Practices**

An ideal Asset Management Practice should be reflective of strong governance and accountability; more sustainable decisions, enhanced customer service, effective risk management; and improved financial efficiency.

This section identifies the strategies, practices and guidelines supporting Asset Management at Shoalhaven City Council. These activities provide the tools and functions required to support the management, maintenance, renewal, creation and disposal of assets. It includes system planning and monitoring; system record management; and asset management planning and policy.

### **1.8. Monitoring and Improvement Programme**

An Asset Management Plan (AMP) is a dynamic document, reflecting and responding to changes over time and in accordance with the Improvement Programme available. Monitoring of an AMP is required to ensure compliance with the proposed improvement program milestone and to ensure compliance with adopted standards and procedures for condition and performance.

Ideally, full review of an AMP should be undertaken every three to five years to document progress and set out proposals for the next 10-15 years.

## 2. INTRODUCTION

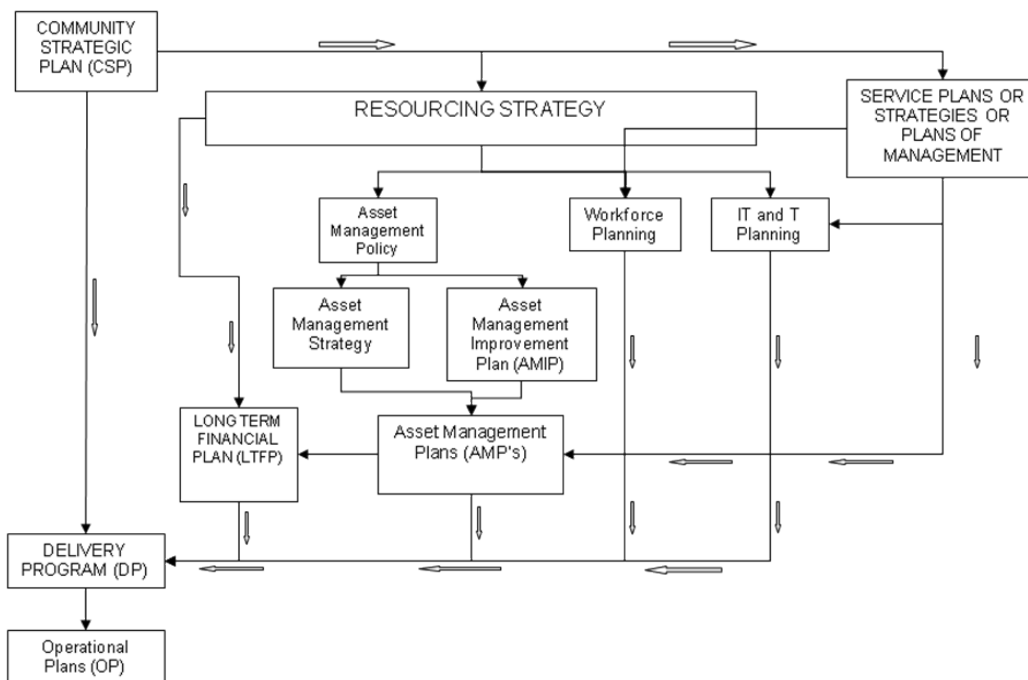
### 2.1. Background

Asset management planning is a comprehensive process to ensure delivery of services from infrastructure is provided in a financially sustainable manner. Asset Management Plan details information about infrastructure assets including actions required to provide an agreed level of service in the most cost effective manner. The plan defines the services to be provided, how the services are provided and what funds are required to provide the services.

This Asset Management Plan (AMP) is to assist Council to meet its goals and objectives in a way that best serves the community. It provides a framework for future management of parks and reserves within the Council area based on current and historical information.

Council has approximately thirty (30) Asset Management Plans which is divided based on each asset types. An area, such as a sporting complex may consist of a few asset types. Therefore, each AMP interrelates with one another.

AMP's position within Council's organisation chart to link with corporate and operational objectives is shown below:



**Diagram 1. How Asset Management Plan links with corporate and operational objectives**

## **2.2. Goals and Objectives of Asset Ownership**

Council exists to provide services to its community. Some of these services are provided by infrastructure assets. Council acquired infrastructure assets by 'purchase', by contract, construction by our staff and by donation of assets constructed by developers and others to meet increased levels of service.

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

- Providing a defined Level of Service (LoS) and monitoring performance,
- Managing the impact of growth through demand management and infrastructure investment,
- Taking a lifecycle approach to developing cost-effective management strategies for the long-term that meet the defined LoS,
- Identifying, assessing and appropriately controlling risks, and
- Having a Long Term Financial Plan (LTFP) which identifies required, affordable expenditure and how it will be financed.

Council's assets have been acquired by purchase, contract, construction by council staff and donation of assets constructed by developers and others to meet increased LoS.

Council is committed to providing safe and efficient facilities, within realistic financial constraints, with the main objectives being as outlined in the strategy, specifically to:

- Improve safety
- Maintain parks and reserves at a reasonable "level of service (LoS)"
- Plan for future development
- Develop strategies for the rationalisation of various parks and reserves
- Plan for major work to facilities

Council is also committed to ensuring that the facilities provided are maintained to a standard which suits the purpose and in a manner. By ensuring available resources are effectively applied. It is recognized that it is neither reasonable nor practical to target zero defects. However it is an objective to have an acceptable level of defects and none that affect customer health and safety or facilities' structural integrity. This is achieved through preventative maintenance.

The desirable situation is that the annual capital works and maintenance programs need to allocate sufficient resources to ensure these objectives are obtained.

### **Council's Vision**

To work together in the Shoalhaven to foster a safe and attractive community for people to live, work, stay and play; where sustainable growth, development and environmental protection are managed to provide a unique and relaxed lifestyle (adopted by Council, 22 June 2010)

### **Council's Mission**

To enhance Shoalhaven's strong communities, natural, rural and built environments and appropriate economic activities through strategic leadership, good management, community engagement and innovative use of resources. (adopted by Council, 22 June 2010)

### **2.3. Plan Framework**

The key elements that affects this AMP are:

#### Asset Management Policy

The policy is used as a base of principles and requirements to create an AMP that is in accordance with the organisation's strategic plan. (2011, International Infrastructure Management Manual)

#### Asset Management Strategy

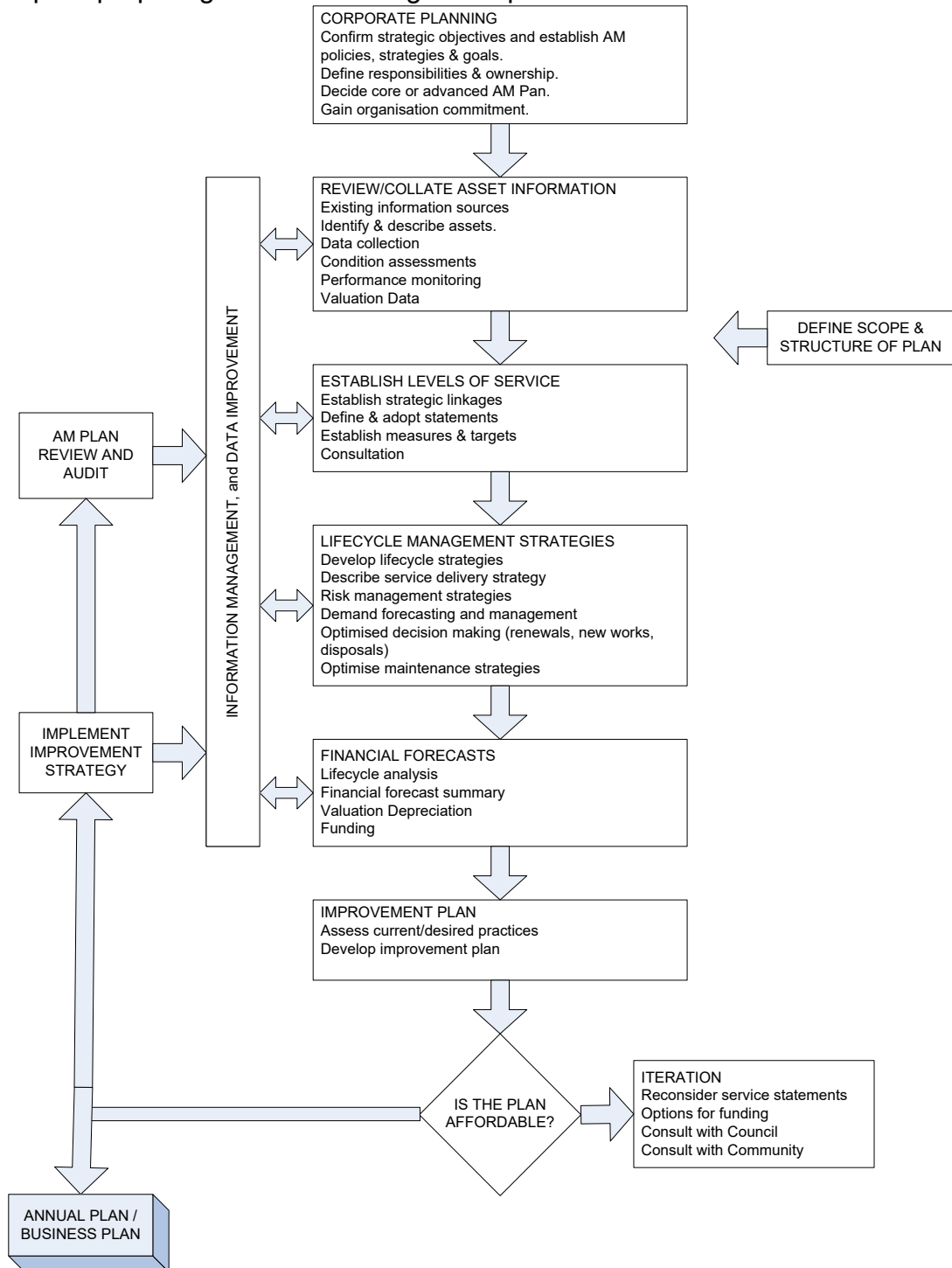
A strategy for asset management covering development and implementation of plans and programs for asset creation, operation, maintenance, rehabilitation/replacement, disposal and performance monitoring to ensure desired level of service and other operational objectives are achieved at optimum cost.

The basic key elements of the AMP consist of:

- Level of service – specifying the services and levels of service to be provided by Council
- Future demand – how this will impact on future service delivery and how this is to be met
- Life cycle management – how Council will manage its existing and future assets to provide the required services
- Financial summary – what funds are required services
- Plan Improvement and Monitoring – how the plan will be monitored to ensure it is meeting Council's objectives

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

A road map for preparing an asset management plan is shown below:



**Road Map for preparing an Asset Management Plan**

*Source: IPWEA, 2006, IIMM, Fig 1.5.1, p 1.11.*

**2.4. Core and Advanced AM**

Asset Management Plan is a continuous document that will require ongoing evaluation. Currently, the level of this asset management plan is at the minimum level which contains basic information on assets and financial forecasts.

### **3. LEVELS OF SERVICE**

In developing the levels of service as documented in this AMP, Council has given due regard to the strategic goals and objectives in the Sportsground Strategic Plan 2008 - 2036 which sets out the strategic direction of Council to implement its Management Plan over the following years. Council has also given due regard to Legislative requirements and Australian Standards and stakeholder expectations in the form of customer research and expectation surveys.

#### **3.1. Customer Research and Expectations**

The proposal of future works that is introduced by the AMP must include active engagement and consultation with the community, especially users and managers of the asset. It is significant also to determine community's service level expectations for infrastructure assets.

Quality information from community members and stakeholders ensures the current and future infrastructure across the Shoalhaven Local Government Act (LGA) is managed by Council to achieve the principles of equity, access, participation and right. This information from the community and stakeholders will be integrated with data, research, technical and financial information to create a comprehensive Asset Management Plan.

Understanding Levels of Service (LoS) is vital for the lifecycle management of assets. They will determine what type of assets will be provided; how often they will be maintained, and when assets will be rehabilitated or replaced. LoS define the assets performance targets, in relation to reliability, quantity, quality, responsiveness, safety, capacity, environmental impact, comfort, cost/affordability and legislative compliance.

Community consultation has been undertaken to reflect the community's view for satisfaction and importance of Council facilities provided, and for identifying community needs and wants in relation to the parks and reserves.

To ensure on-going sustainability of Council services it is essential to balance the community's expectations with their willingness and capacity to pay for the infrastructure that underpins these services.

Consultation with the community can be done as follows:

- Sending notification to the Committee that AMP is currently reviewed and requesting for inputs
- Notifying the Committee directly via Progress Meetings

It is proposed to place the draft Asset Management Plan on public exhibition. After consideration of comments on the draft AMP, the amended AMP will be reported for formal adoption by Council. It is an action in the current Management Plan to review ideal maintenance standards (levels of service) with principal consultative bodies. This is a highly desirable project and will have significant impact on future funding needs.

#### **3.2. Strategic and Corporate Goals**

The AMP provides clear guidelines for the effective management of the assets owned by Council. Local Authorities exist principally to supply core services that meet the needs of their communities.

Council's goal in managing assets is to meet the required level of service in a sustainable manner for present and future stakeholders. The key elements to strategic goals of asset management are:

- Demonstrating responsible stewardship;
- Taking a life cycle approach to asset ownership;
- Defining the infrastructure assets physically and financially;
- Providing a defined Level of Service (LoS) and monitoring the performance against service levels and service expectations;
- Understanding and meeting the demands of growth through demand management and infrastructure investment;
- Managing risks associated with asset failure; and
- Support Long Term Financial Planning (LTFP).

Council's objective is to ensure financial strategies underpin Council's asset management policies and strategic. Its goal is to have long term vision for sustainability. In order to do so, the action that can be done is to prepare and review the Council's short and medium term financial plans for Risk Management; Plant & Equipment, Information Technology, Section 94; and Asset Management Plans.

Council's goals are to plan, manage and fund Council's public assets to meet the community expectations and defined levels of services. Furthermore, the safety of the community is paramount and is acknowledged and supported through proactive policies, programs and strategies.

The Management Plan for Shoalhaven City continues the programs and strategies identified in the Council's Strategic City *plan*, which was adopted in June 2010. These programs and strategies are grouped under the five (5) headings of:

*Environment,  
Economy,  
Leadership  
Community, and  
Council*

The progressive development of Asset Management Plans for various asset types is one of the objectives in Council's **Cityplan**.

With a previously identified and ongoing shortfall in funding for parks & reserves maintenance there is the real challenge of a decline or lowering of standards used by the City to define acceptable and sustainable service levels.

The consequential impacts of any redefined service levels on the current objectives of **Cityplan** will have to be monitored and managed. Implicit in this is the need to require the objectives of **Cityplan** to be defined to be both environmentally and economically sustainable.

### 3.3. Legislative Requirements

**Table 2: Lists of legislation requirements**

Legislation	Requirement
National Asset Management Framework Legislation 2010	Focuses on long term financial sustainability and provides a mandate to have a long term strategy, financial statements and annual reporting mechanisms.
DLG Integrated Planning NSW	Key requirement is to integrated community plans with operational and delivery plans
Local Government Act 1993	Sets out role, purpose, responsibilities and powers of local governments including the preparation of a long term financial plan supported by asset management plans for sustainable service delivery
Work Health and Safety Act 2011	Aims to secure the health, safety and welfare of people at work. It lays down general requirements which must be met at places of work in New South Wales. The provisions of the Act cover every place of work in New South Wales. The Act covers self employed people as well as employees, employers, students, contractors and other visitors.
Occupational Health and Safety Regulation 2001	Regulations on the control and management or risk in the work place
The Protection of the Environment Operations Act 1997 (POEO Act)	Is the key piece of environment protection legislation administered by Department of the Environment and Climate Change (DECC). The POEO Act enables the Government to set out explicit protection of the environment policies (PEPs) and adopt more innovative approaches to reducing pollution.
Disability Discrimination Act	Sets out responsibilities of Council and staff in dealing with access and use of public infrastructure
Australian Accounting Standards	Sets out the financial reporting standards relating to infrastructure assets. Standards of particular relevance to Infrastructure Assets include:
	AASB116 Property, Plant & Equipment - prescribes requirement for recognition and depreciation of property, plant and equipment assets
	AASB136 Impairment of Assets - aims to ensure that assets are carried at amounts that are not in excess of their recoverable amounts
	AASB1021 Depreciation of Non-Current Assets - specifies how depreciation is to be calculated
	AAS1001 Accounting Policies - specifies the policies that Council is to have for recognition of assets and depreciation
	AASB1041 Accounting for the reduction of Non-Current Assets - specifies the frequency and basis of calculation depreciation and revaluation basis used for assets
	AAS1015 Accounting for acquisition of assets - method of allocating the value to new assets on acquisition
Crown Lands Act 1989	Defined principles for the use and management of Crown land which may be under Trust to Council, they may prescribe: Lease & licences of Crown Lands (Part 4, Division 3 & 4); and Plans of Management for Crown Lands (Part 5, Division 6)
AS 3600-2001 Concrete Structures	Proposes a set of standard for achieving a design life of 40-60 years for concrete structures.



### **3.4. Current Level of Service**

Shoalhaven City Council is committed to providing a quality recreation network for the benefit of residents and visitors.

The required extent and standard of provided facilities is detailed in:

- Section 94 Plan – active and passive recreation
- Park Enhancement Policy

In accordance with the Recreation Strategy, a classification system has been adopted to guide the operational maintenance standard and the standard of appointment for each location.

The maintenance requirements for each Category are detailed in the Parks and Sportsfields Management Agreement (PASMA) and include the following performance measures in the specification –

- Turf – length (frequency of cut)
- Turf health and coverage
- % weeds and dead plants in landscape areas
- Landscape plant health and shape
- Tree safety and health
- Dams, Parks and Water Bodies
- Extent of Litter
- Cleaning of BBQs and provision of fuel to wood burners
- Condition of Furniture & Signs
- Condition of Paths, roads & car parks

The maintenance and appointment standard categories are:

For Active Recreation:

- Category 1 – City Wide
- Category 2 – Regional
- Category 3 – District
- Category 4 – Local

For Passive Recreation

- Category 1 – Icon Parks
- Category 2 – District Parks
- Category 3 – Local Parks and
- Category 4 – Links and Buffer Reserves (occasional slashing)

There is ongoing community representation to increase service levels, particularly to raise Category 4 locations to Category 3. However, current funding is inadequate to meet these requests as discussed below. It is proposed to undertake a review of the maintenance Category for each location in conjunction with Community Consulting Bodies (CCBs) commencing in the future. This will result in a clearer definition of community expectations and the funding required achieving those expectations.

Each location has currently been assigned an 'Ideal' maintenance category and considerable review of operational & resource plans has been undertaken to target achievement of the 'Ideal' standards. Although improvements in maintenance standards have been achieved it is apparent that additional resources will be required if the 'Ideal' service levels are to be achieved. In particular additional resources are required to achieve an acceptable standard for furniture and landscaping. Despite best endeavours, the constraint on funding has meant that actual attainment has been well below that of the "ideal standard". Also, it should be noted that the attainments of the last few years have been during a time of extended drought, which alters expenditure patterns. It can be expected that there will be increased demand for maintenance activities such as mowing, weed control and vegetation management once the drought breaks. Conversely, demand for some activities such as watering, dead wooding and mulch maintenance can then be expected to decrease.

Service provision currently consists of the following activities:

- Mowing grass areas including edging
- Maintenance to landscape areas including weeding, mulching, pruning, replacement planting
- Tree maintenance including 'dead wooding'
- Litter collection
- BBQ cleaning and wood provision to selected locations
- Furniture repairs, painting and replacement
- Litter bins – clearing, cleaning, provision & replacement
- Playground maintenance including soft fall
- Maintenance of associated car parking
- Building & structure maintenance

With regard to user satisfaction indicators, the following chart indicates the level of requests from customers. The chart is derived from Merit, which is one of the asset management systems in place within Council. This system is useful for logging and prioritising both internal and external customer complaints and action requests and is a useful risk management tool. However, it is difficult to derive trends from this system and it should be reviewed.

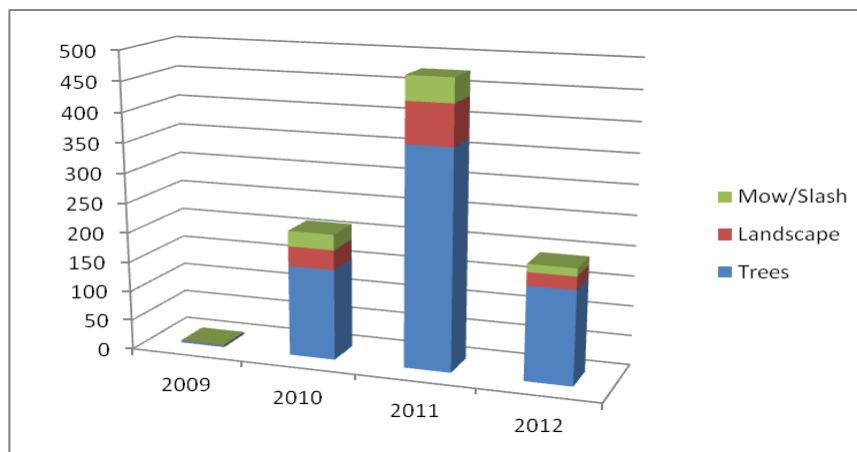


Figure 1: No of Merit Requests for the Most Common Categories, 2009 - 2012

### 3.5. Desired Level of Service (LoS)

At present, indications of meeting or understanding the desired Levels of Service (LoS) are obtained from various sources including meetings and consultations with Management Committees.

The main framework of desired LoS is stated as follows:

- Service attributes : Aspects or characteristic of a service which includes accessibility, cost, efficiency, quality, quantity, reliability, responsiveness and safety
- Levels of Service : What Council intends to deliver that is based on the community's point of view
- Community performance measure : How the community receives or reacts to the service
- Technical Performance Measure : What Council does to deliver the service, which includes operation and maintenance

(International Infrastructure Management Manual, 2011)

The action that has been undertaken is a survey to the community and data research has been undertaken to discover information of desired LoS. The data collected synchronize with the performance measure so that the desired LoS is reached.

## 4. FUTURE DEMANDS

In 1996 the population in Shoalhaven was 76,726. In 2011 showed the population was 98,542. It is projected that in 2016 the population would be 104,079 and in 2021 is 111,401 (<http://www.id.com.au/forecast/shoalhaven>). This forecast and population statistics shows the percentage of population has been increasing 6.4% every five (5) years. Therefore it is more than likely that demand for most type of facilities will increase as well.

### 4.1. Demand Drivers

Any enhancements of the existing facilities would need to be justified in relation to upgrading existing facilities which would provide an increase in the "level of service" rather than a maintenance activity which would prolong useful life of the building.

Population growth alone is not the sole driver for parks and reserves. Population growth can create demand for new dwellings and associated infrastructure. Factors affecting demand for parks and reserves include population growth and density; changes in demographics; seasonal factors; social and economic factors; environmental awareness and technological changes.

#### **4.2. Demand Forecasts**

Strategies for ensuring that assets are well utilised include:

- Effective demand forecasting before creating new assets, to ensure asset capacity and demand requirements are matched
- Maximising the asset utilisation by providing other assets to meet the demand or operational asset solutions to improve overall asset capacity and hydraulic performance
- Management of customer demand, to reduce demand for over-utilised assets or vice versa

(International Infrastructure Management Manual, 2011)

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

The planning for infrastructure due to demand is a constant process of review and assessment of existing infrastructure and its ability to cope with increasing demand, versus the need to augment with new infrastructure.

Demand on infrastructure is created through increased utilisation generated from a growing population and changing patterns of behaviour, ranging from social demographics to transport options and solutions. Often this increasing demand will stem from urban or residential growth increasing the utilisation of a range of community infrastructure.

Council develops strategies for demand management on single or groups of affected assets and continues to manage the relationship between existing and new asset requirements in the context of asset management. This demand management also includes asset rationalisation as discussed in this plan.

The provision of parks and reserves is an essential element to the contemporary community's lifestyle. Council's parks and reserves also provide a means for the Council to administer and manage the function and role Council has in providing services to the community.

### **4.3. Demand Impacts on Assets**

Demands are usually impacted by a number of components which includes:

- Population or demographic changes
- Changes in community's expectation
- Changes in usage pattern
- Seasonal variation
- Cyclical variations
- Random variations which cannot be attributed to specific causes

Effective asset utilisation seeks to provide the maximum return on funds invested in assets. Over-utilisation can cause failure to achieve levels of service due to asset 'capacity failure'. Under-utilisation of an asset is also a 'capacity failure' and represents a lack of demand for the service the asset provides causing a less than cost effective level of utilisation. (International Infrastructure Management Manual, 2011)

### **4.4. Demand Management Plan**

Strategies for ensuring that assets are well utilised include:

- Effective demand forecasting before creating new assets, to ensure asset capacity and demand requirements are matched
- Maximising the asset utilisation by providing other assets to meet the demand or operational asset solutions to improve overall asset capacity and hydraulic performance
- Management of customer demand, to reduce demand for over-utilised assets or vice versa

(International Infrastructure Management Manual, 2011)

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

The planning for infrastructure due to demand is a constant process of review and assessment of existing infrastructure and its ability to cope with increasing demand, versus the need to augment with new infrastructure.

Demand on infrastructure is created through increased utilisation generated from a growing population and changing patterns of behaviour, ranging from social demographics to transport options and solutions. Often this increasing demand will stem from urban or residential growth increasing the utilisation of a range of community infrastructure.

Council develops strategies for demand management on single or groups of affected assets and continues to manage the relationship between existing and new asset requirements in the context of asset management. This demand management also includes asset rationalisation as discussed in this plan.

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

**4.5. Asset Programmes to Meet Demand**

Project Reference Number	Project Description	Estimated Project Cost	Estimated Council Contribution	Estimated Dev. Contribution	Percentage balance collected at October 2012	Available funds Received
01AREC2006	Northern Shoalhaven Sports Stadium (Cambewarra Road)	\$12,296,064	\$8,961,372	\$3,334,693	33%	\$1,096,024
01AREC2007	Northern Shoalhaven Leisure Centre (Cambewarra Road)	\$19,700,122	\$14,357,449	\$5,342,673	2%	\$107,634
01AREC2008	Planning Area 1 – Active recreation facility upgrades (various locations)	\$4,495,223	\$3,276,119	\$1,219,105	346%	\$4,217,511
01OREC0009	Land acquisition for passive open space (Princes Highway, Berry)	\$1,428,125	\$0	\$1,428,125	0%	\$0
01OREC0011	Land acquisition for passive open space (Falcon Crescent, North Nowra – no specific area within development site / contribution area determined)	\$1,008,228	\$0	\$1,008,228	0%	\$0
01OREC0013	Land acquisition for passive open space (Old Southern Road, Worrigea)	\$1,598,091	\$0	\$1,598,091	6%	\$97,846
02AREC0002	Culburra Sporting Complex	\$0	\$0	\$0	0%	\$0

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

	(Proposed Long Bow Point Subdivision)					
02OREC0005	Land acquisition for passive open space (Proposed Long Bow Point Subdivision – no specific area within development site / contribution area determined)	\$1,783,520	\$0	\$1,783,520	0%	\$0
03AREC2004	Planning Area 3 active recreation facility upgrades (various locations)	\$6,831,750	\$5,283,675	\$1,548,075	95%	\$1,473,565
03OREC0009	Land acquisition for passive open space (Pine Forest Road)	\$168,894	\$0	\$168,894	67%	\$112,959
03OREC0011	Land acquisition for passive open space (Vincentia Expansion Area – no specific area within development site / contribution area determined)	\$1,787,611	\$0	\$1,787,611	0%	\$0
03OREC0012	Land acquisition for passive open space (St Georges Basin Village Centre Green)	\$307,403	\$0	\$307,403	0%	\$0
04AREC2004	Planning Area 4 active recreation facility upgrades (various	\$94,338	\$68,773	\$25,566	222%	\$56,813

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

	location)					
05AREC2004	Planning Area 5 active recreation facility upgrades (various locations)	\$5,630,435	\$4,397,369	\$1,233,065	\$50%	\$617,246
05OREC0004	Land acquisition for passive open space (Berringer Road, Manyana)	\$619,138	\$0	\$619,138	2%	\$13,083
05OREC0007	Land acquisition for passive open space (Lake Conjola Entrance Road)	\$318,053	\$0	\$318,053	0%	\$0
05OREC0017	Land acquisition for passive open space (Dolphin Point Road, Dolphin Point)	\$642,903	\$0	\$642,903	1%	\$8,225
05OREC0018	Manyana Foreshore facilities upgrade	\$133,038	\$82,457	\$50,581	0%	\$0

**Table 3 Section 94 Parks and Reserves**



The extent of future demands and enhancement needs for Parks and Reserves are dependent on funding and demand LoS. At this stage the following list is future capital works for Parks and Reserves:

- North Shoalhaven Indoor Sport
- Nowra Showground Youth Hall
- Nowra Sports Park – Lyrebird
- Sanctuary Point Playing Fields
- St Georges Basin Village Green
- Replacement of Play Equipments and Softfall
- Ison Park
- Berry Sporting Complex
- Sportsfield shade provision
- BMX tracks
- Skate Park provision
- Ulladulla Skate Park extension
- Walking track upgrades
- Ulladulla Boardwalk
- Parks tree planting
- Roads tree planting

## **5. LIFECYCLE MANAGEMENT PLAN**

### **5.1. Background Data**

Detailed information of each Parks and Reserves' background can be found in Attachment 1

### **5.2. Infrastructure Risk Management Plan**

In general, risk management inspections are based on:

- inspection at time of maintenance servicing to detect risks arising from unforeseen breakdown or vandalism and
- regular detailed hazard and condition audits of buildings and structures in accordance with the adopted 'Defect and Condition Risk Management Procedure'

It is considered that the (Parks & Reserves Risk Management) Procedure will have to be regularly reviewed to reflect any changes arising from the finalisation of Strategy implementation plans, community consultation regarding LoS and funding.

There are two main risks that Council is facing as follows:

- **Strategic Risk** – Risk managed through Council's annual Risk Management Plan due to the potential affect a failure in this area can have on Council's operations
- **Operational Risk** – Risks that relate to the day-to-day operations of Council. Operational risk arises from inadequate internal controls, inadequate or no documentation, poor planning and implementation, or inadequate supervision.

Any hazards identified will be prioritised and undertaken as either "Urgent Maintenance" or listed and undertaken as "Programmed Maintenance" in accordance with the timeframes adopted by Council for the defect priority.

This risk management section of the asset management plan concentrates on identification of practical risks at the asset level. An assessment of the risks associated with the service delivery of building assets has identified some critical risks to Council. The risk assessment process:

- Identifies credible risks;
- The likelihood of the risk event occurring;
- The consequences should the event occur;
- Develops a risk rating; and
- Evaluates the risk and develops a risk treatment plan for non-acceptable risks.

A Parks & Reserves Risk Management Procedure has been finalised and was adopted by Council on 19<sup>th</sup> December 2006. A copy of the procedure is shown at Attachment 2.

In general risk management inspections are based on:

- inspection at time of maintenance servicing to detect risks arising from unforeseen breakdown or vandalism and
- regular detailed hazard and condition audits of buildings and structures in accordance with the adopted 'Defect and Condition Risk Management Procedure'

It is considered that the (Parks & Reserves Risk Management) Procedure will have to be regularly reviewed to reflect any changes arising from the finalization of Strategy implementation plans, community consultation regarding Levels of Service and funding.

### **5.3. Routine Operations and Maintenance Plan**

Comparison of budgets from year to year has been complicated by changes to the activities contained within the definitions. An example is Core Maintenance, which is considered as the basic maintenance activities such as mowing and litter removal etc, and which has had a number of changes to what is and is not considered "core".

#### **5.3.1. Operations and Maintenance Plan**

Accordingly, and to take a more structured asset management approach that is also consistent with the IPWEA International Infrastructure Management Manual and the Draft Parks & Reserves Risk Management Procedure, maintenance activities are now treated as follows:

#### **Cyclic Maintenance**

Mowing, vegetation control, maintenance of landscaped areas, litter collection, BBQ cleaning, pond and dam cleaning, soft fall maintenance and tree and shrub watering and replacement.

#### **Risk Management/Urgent Works**

Asset inspections, repairs to: pavements and walking trails/tracks, car parks within reserves, furniture (BBQ's, litter bins, picnic sets, play equipment and softfall, plumbing and electrical, seats and signs), fencing, buildings, drains and retaining walls, sportsturf, wickets and nets, trees, and BMX tracks/skateparks.

### **Programmed Maintenance**

Furniture refurbishment (BBQ's, litter bins, picnic sets, play equipment and softfall, plumbing and electrical and seats), sportsturf, structures, buildings, floodlights and irrigation repairs, signage, gravel resheets and reseals (mostly car parks and access roads), and the annual painting programme.

Based on asset condition it is calculated that \$140,000 is required annually to carry out routine maintenance of a programmed nature to maintain the current level of service and asset condition. This includes replacement and repair of infrastructure such as seats, BBQ's, picnic facilities, fences, lighting and signs. The programmed maintenance for structures and buildings is funded separately.

Other non-depreciation ongoing costs that are essential to the continued operation of the parks and reserves but which cannot be considered to be maintenance or risk management are now grouped as Operating Costs. These include Operating Costs - Feral animal control, ParkCare support, National Tree Day, memorial seats, Nowra Show, community group advances, fixed costs (electricity, insurance etc), loan repayments, management committee subsidies, building cleaning, amenity cleaning and litter bins collection.

#### **5.3.2. Operations and Maintenance Strategies**

The organisation will operate and maintain assets to provide the defined level of service to approved budgets in the most cost-efficient manner. The operation and maintenance activities include:

- Scheduling operations activities to deliver the defined level of service in the most efficient manner,
- Undertaking maintenance activities through a planned maintenance system to reduce maintenance costs and improve maintenance outcomes. Undertake cost-benefit analysis to determine the most cost-effective split between planned and unplanned maintenance activities (50 – 70% planned desirable as measured by cost),
- Maintain a current infrastructure risk register for assets and present service risks associated with providing services from infrastructure assets and reporting Very High and High risks and residual risks after treatment to management and Council/Board,
- Review current and required skills base and implement workforce training and development to meet required operations and maintenance needs,
- Review asset utilisation to identify underutilised assets and appropriate remedies, and over utilised assets and customer demand management options,
- Maintain a current hierarchy of critical assets and required operations and maintenance activities,
- Develop and regularly review appropriate emergency response capability,
- Review management of operations and maintenance activities to ensure Council is obtaining best value for resources used.

### 5.3.3. Summary of Future Costs

Based on the past history of operational and maintenance expenditure, each year there is an increase of both budget and actual expenditure. During financial year 2005/06, the operational expenditure is \$3,868,065 whereas in 2011/12 it has reached up to \$8,047,813 this is due to the increase number of parks and reserves built. Referring to the Capital Program, there are a number of parks and reserves planned to be extended or created within the next ten (10) years. In this case, operational expenditure will increase each year.

## 5.4. Renewal / Replacement Plan

Renewal expenditure is major work which does not increase the asset's design capacity but restores, rehabilitates, replaces or renews an existing asset to its original service potential. Work over and above restoring an asset to original service potential is upgrade/expansion or new works expenditure.

Section 6.2 and section 4.5 lists the total proposed Capital Works for each facility categorised by the Asset Management Unit.

### 5.4.1. Renewal Plan

This programme relates to replacement of items greater than \$5,000 in value. Renewals of lesser value are undertaken as part of the Cyclic and Risk Management/Urgent Works Maintenance Programmes.

Items such as playground equipment require regular replacement both to counter wear and tear and to ensure that the equipment meets required standards. The average life expectancy of playground equipment is ten to twelve years. Accordingly, the Playground Strategy contains a recommendation that 1/10 of the City's playground equipment requires replacement each year and this provision is contained within the Parks & Reserves Budget.

An item is also required for the renewal of other parks assets and it is suggested that this should be set at \$50,000 until such time as more detailed information on parks asset age, average condition and rate of deterioration is available. It is of high priority to update asset data and prepare a Strategy. However the current data indicates that no high value asset renewal is currently required.

### 5.4.2. Renewal Strategies

The ten (10) year capital works program indicates the following parks and reserves that require work:

<b>Project</b>	<b>Estimated Project Expense</b>
Showground Improvement Program	\$290,890
Minor Improvement to Active Recreation	\$375,200

**Table 4. Renewal Capital Works Program**

### 5.4.3. Summary of Future Costs

The total cost for the next ten (10) years of capital work is \$666,090. At this stage, the sum is not fully funded in the budget.

## **5.5. Creation / Acquisition / Augmentation Plan**

New works are those works that create a new asset that did not previously exist, or works which upgrade or improve an existing asset beyond its existing capacity. They may result from growth, social or environmental needs. Assets may also be acquired at no cost to the Council from land development however; these generally require additional maintenance and/or asset operations expenditure which need to be planned for.

A complete end to end process for the acquisition of assets, irrespective of how it is acquired, will be developed to ensure the information about the asset, the associated resources and management activities and financial accounting treatment is fully covered.

The Capital Strategy consists of a number of components. These include the Capital Enhancement Programme, the Capital Replacement Programme and the New Facility Programme.

### 5.5.1. Selection Criteria

Prior to acquiring a new asset in order to satisfy community need, it is significant to consider the following:

- Improvement to the existing asset performance
- Enter an arrangement with the private sector to provide community facility

New assets and upgrade/expansion of existing assets are identified from various sources such as councillor or community requests, proposals identified by strategic plans or partnerships with other organizations including developers. A system to assess these requests needs to be developed and will need to ask requestors to consider:

- occupancy/usage rates of other council assets already similar sized and in use;
- preliminary costing schedules including operational, maintenance and renewal estimates;
- availability of funds and funding sources; and
- ability for the Council to schedule the works in future operational work programs.

### 5.5.2. Capital Investment Strategies

Capital Investment Strategies for the creating of a new facility requires overlooking the whole life cost of the new asset. This includes the initial capital cost, operating cost and selling or disposing of the asset. Having a more expensive way to build that will produce an asset that is cheaper to operate and maintain may be a better option than the opposite.

The organisation will plan capital upgrade and new projects to meet level of service objectives by:

- Planning and scheduling capital upgrade and new projects to deliver the defined level of service in the most efficient manner,
- Undertake project scoping for all capital upgrade/new projects to identify:
  - the service delivery 'deficiency', present risk and required timeline for delivery of the upgrade/new asset,
  - the project objectives to rectify the deficiency including value management for major projects,
  - the range of options, estimated capital and life cycle costs for each options that could address the service deficiency,
  - management of risks associated with alternative options,
  - and evaluate the options against evaluation criteria adopted by Council/Board, and
  - select the best option to be included in capital upgrade/new programs,
- Review current and required skills base and implement training and development to meet required construction and project management needs,
- Review management of capital project management activities to ensure Council is obtaining best value for resources used.

The Enhancement Programme consists of projects designed to improve the functionality of assets. These are generally capital upgrades to existing facilities and include works such as Icon Park improvements, minor improvements to both passive and active open space, sealing of car parks, provision of irrigation, sportsfield lighting, showground and walking track improvements. It also includes provision within adopted policy for user contributions to assist users to undertake various enhancements.

There are currently no formal Strategies for the Program although there is some draft Strategies. The development of Strategies is of high priority and in the interim annual funding needs have been assumed as shown in Table 5 below.

### 5.5.3. Summary of Future Costs

Below is a list of parks and reserves that are planned to be created within the ten (10) year capital works programme:

<b>Project</b>	<b>Estimated project expense</b>
Bernie Regan additional sport fields	Not known
Berry Sporting Complex	\$ 100,000
Nowra Sports Park – Lyrebird (extension)	\$ 3,600,000
Sanctuary Point Playing Fields (extension)	\$13,500,000
Sportsfields Shade Provision	\$ 375,200
BMX Tracks	\$ 122,390
Skate Park Provision	\$ 259,000
Ulladulla Skate Park extension	\$ 400,000
Ulladulla Boardwalk	\$ 200,000
<b>Total</b>	<b>\$18,556,590</b>

**Table 5. Ten year New Capital Works program**

### 5.6. Disposal Plan

The opportunity to dispose of assets (remove and not replace) is minimal. However the need to retain assets will be reviewed on an individual case basis as the need for replacement or low usage is identified.

At this stage, there is no plan of disposing any parks and reserves available in the Shoalhaven area.

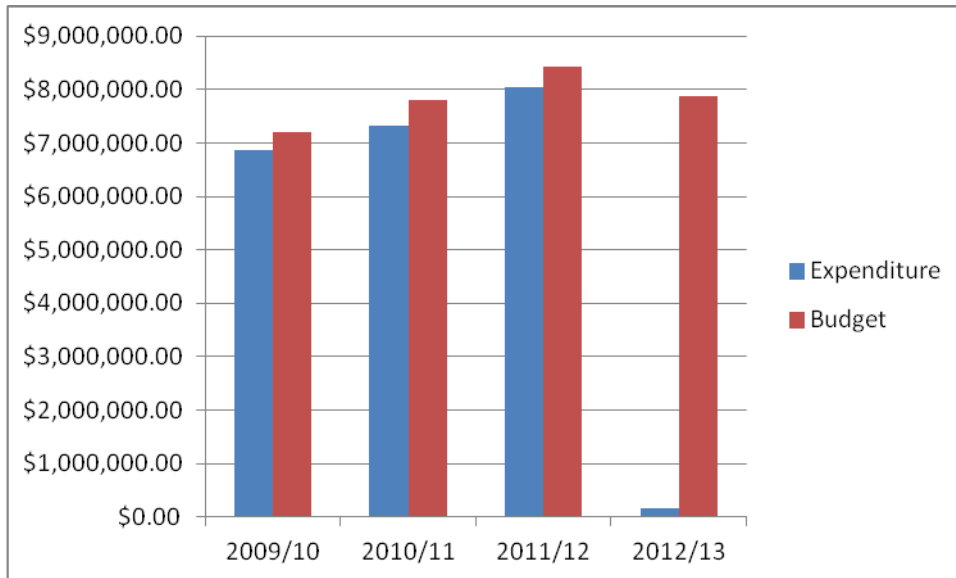
## 6. FINANCIAL SUMMARY

This section contains the financial requirements resulting from all the information presented in the previous sections of this asset management plan. The financial projections will be improved as further information becomes available on desired levels of service and current and projected future asset performance. It should be noted that specific projections and information is available at the level of service and individual asset type/group.

### 6.1. Financial Statements and Projections

The Capital Strategy consists of a number of components. These include the Capital Enhancement Programme, the Capital Replacement Programme and the New Facility Programme.

The expenditure history for maintenance activities is as follows:



**Figure 2: Annual Parks budget allocation and expenditure, 2009/10 to 2012/13**

It is evidently shown in Figure 2 above that Council’s parks and reserves have been providing a satisfactory level of service within the budget allocated.

Each year staff has had to investigate stringent measures during the second half of the financial year in an effort to constrain expenditure to the budget, requiring reallocation of funding from other areas of Council’s operations. Consequently, the level of service actually provided is less than that required by the MERIT. However, caution must be exercised in making a direct comparison between different years as the activities included in Core Maintenance have varied.



## 6.2. Funding Strategy

Considering the increase number of population each year, there will be an increase on demands for community facilities including parks and reserves.

As it comes to a stage where additional parks and reserves are required funding consideration should be based on the life cycle cost of the whole asset, that is from planning & design, operational & maintenance through to disposal. Most of the time, little thought is given to the ongoing costs associated with managing a facility. It is significant to create alternative designs or ways to reduce long term maintenance and operating costs.

Below are four principles that are necessary to be considered when life cycle costs are assessed:

- An asset development commences at the preliminary stage and ends when the facility is sold or the site is returned to its original condition
- Evaluating a full life cycle cost from the initial outlay until the end stage of the asset may cause the initial outlay to be more expensive. If it leads to having a lower maintenance and operational cost, this option is much more sustainable.
- When originally planned, Life Cycle Cost has to be considered with all the economic and financial costs in relation to constructing, procuring and operating a facility.
- Asset Management Strategy should include a development of the life cycle cost.

The funding requirements compared to the actual or required budget are shown in the following Table:

	Split Number	Budget/Funding Available	Actual
<b>Core Maintenance</b>			
Core Labour and Plant	01111	\$0	\$11,441
Mowing with slasher	01560	\$246,835	\$118,787
Mowing footpaths	01654	\$3,038	\$1,322
Parks Servicing	01585	\$1,168,405	\$1,160,124
Verge Servicing	01587	\$2,032	\$35,279
Pond Maintenance	01514	\$1,993	\$1,401
Finishing Mowing	01562	\$218,096	\$118,848
Fertilising	14366	\$7	\$6,624
Vegetation Control by Hand	01570	\$258	\$14,720
Vegetation Control by Herbicide	01577	\$3,276	\$4,746
Tree and Shrub Watering	01578	\$66,960	\$4,808
Landscape area maintenance	01571	\$75,905	\$130,633
Litter Collection	01940	\$20,032	\$66,852
BBQ Cleaning	01668	\$67,373	\$88,530
Drainage Clearing	01521	\$75	\$2,356
Amenities Cleaning	01673	\$25,060	\$42,408
Maintenance of new areas	01645	\$0	\$560
Mulching Programme	01674	\$27,078	\$33,109
Painting Program	01692	\$45,840	\$20,015
Softfall	01665	\$30,512	\$54,601
Tree and Shrub Planting	01576	\$3,223	\$8,993
Tree/Landscape remove	01591	\$1,734	\$20,070
Cleaning Carparks	01992	\$1,575	\$1,592

*Shoalhaven City Council*  
*Asset Management Plan – Park & Reserves*

TOTAL		\$2,009,307	\$1,947,820
<b>Other Maintenance</b>			
Street Bin Service	23225	\$1,888	\$2,329
Tree Risk Mgmt (Parks – W&S)	01591	\$109,781	\$122,586
Employee Costs	01711	-\$9,281	\$1,087
TOTAL		\$102,388	\$126,002
<b>Urgent Works</b>			
<u>Risk Management Inspections</u>			
Infrastructure Inspections	01757	\$40,225	\$45,361
Playground Inspections	01758	\$20,132	\$18,974
<u>Pavements/Walkways</u>			
Boardwalk/bridges	06105	\$4,000	\$6,562
Gravel Pavements	01647	\$24,000	\$7,704
Paved	01646	\$24,000	\$3,819
Concrete Pavements	01290	\$24,000	\$15,845
Walking Trails/Tracks	01648	\$22,696	\$6,674
<u>Reserve Car Parks</u>			
Sealed pavement repairs	03301	\$12,000	\$2,641
Gravel Pavements - grading	01480	\$15,000	\$14,194
<u>Furniture Repair</u>			
BBQ's	01694	\$8,500	\$13,210
Litter Bins	01945	\$9,250	\$8,531
Picnic Sets	01666	\$6,200	\$8,665
Play Equipment	01661	\$83,969	\$84,850
Plumbing and Electrical	01695	\$28,500	\$26,496
Seats	01691	\$7,500	\$6,990
Signs	03132	\$15,200	\$20,858
<u>Other Infrastructure Repair</u>			
BMX / Skateparks	01696	\$3,000	\$2,379
Buildings	01670	\$61,000	\$69,927
Drains	01522	\$3,200	\$3,250
Fencing	01620	\$56,000	\$64,616
Irrigation	01697	\$14,889	\$16,901
Sportsturf	01565	\$41,326	\$16,194
Sportsturf renovation	22933	\$41,669	\$5,547
Walls / Edging	01664	\$1,200	\$811
Wicket and Nets	01575	\$6,000	\$2,364
TOTAL		\$573,457	\$473,362
<b>Roads Landscape Maintenance</b>			
<b>Cyclic Urban Landscape</b>			
Core Labour and Plant	01111	\$0	\$126
Drainage Clearing	01515	\$0	\$0
Drainage Clearing Parks	01521	\$0	\$0
Mowing with slasher	01560	\$7,545	\$11,410
Vegetation Control by Hand	01570	\$0	\$0
Landscape area maintenance	01571	\$42,577	\$25,457
Tree and Shrub planing	01576	\$0	\$0
Vege Control by Herbicide	01577	\$0	\$0
Parks Servicing	01585	\$0	\$0
Verge Servicing	01587	\$130,628	\$141,570

*Shoalhaven City Council*  
*Asset Management Plan – Park & Reserves*

Tree / Landscape remove	01591	\$1,191	\$1,472
Mow Footpaths	01654	\$0	\$0
Rural Verge Mowing	01657	\$32,851	\$28,194
Mulching Programme	01674	\$6,992	\$3,454
Irrigation	01697	-\$2,575	\$0
Inspections / Reporting	01757	\$0	\$0
Litter Collection	01940	\$4,907	\$5,244
<b>TOTAL</b>		<b>\$224,116</b>	<b>\$216,927</b>
<b>Cyclic CBD Maint</b>			
Landscape area maintenance	01571	\$53,585	\$60,611
Parks Servicing	01585	\$3,196	\$3,778
Verge Servicing	01587	\$11,290	\$8,036
Mulching Programme	01674	\$5,650	\$2,086
Irrigation	01697	\$421	\$29
Inspections / Reporting	01757	\$557	\$2,209
Litter Collection	01940	\$8,529	\$8,962
<b>TOTAL</b>		<b>\$83,227</b>	<b>\$85,709</b>
<b>Cyclic Carpark Maint</b>			
Landscape area maintenance	01571	\$24,767	\$26,314
Verge Servicing	01587	\$16,326	\$14,510
Mulching Programme	01674	\$6,349	\$3,063
Inspections / Reporting	01757	\$268	\$168
Litter Collection	01940	\$2,229	\$3,340
Carpark Cleaning	01992	\$6,217	\$7,546
<b>TOTAL</b>		<b>\$56,156</b>	<b>\$54,940</b>
<b>Cyclic Rural Verge Maint</b>			
Mowing with slasher	01560	\$3,896	\$3,296
Landscape area maintenance	01571	\$742	\$1,528
Vegetation Control by Herbicide	01577	\$400	\$98
Verge Servicing	01587	\$7,674	\$13,847
Rural Verge Mowing	01657	\$90,683	\$74,328
Mulching Programme	01674	\$163	\$0
Inspections / Reporting	01757	\$77	\$155
<b>TOTAL</b>		<b>\$103,634</b>	<b>\$93,251</b>
<b>TOTAL MAINTENANCE</b>		<b>\$3,152,286</b>	<b>\$2,998,011</b>

<b><u>Future Capital Works</u></b>		
<b>Enhancement Programs</b>		
Lighting Upgrades	\$0	\$588,700
North Shoalhaven Indoor Sport	\$12,200,000	\$12,200,000
Nowra Showground Youth Hall	\$104,000	\$160,000
Nowra Sports Park - Lyrebird	\$1,040,000	\$3,600,000
Sanctuary Point Playing Fields	\$3,437,960	\$13,500,000
St Georges Basin Village Green	\$0	\$300,000
Park Enhancement Program	\$33,000	\$375,200
<b>TOTAL</b>	<b>\$16,814,960</b>	<b>\$30,723,900</b>
<b>Replacement Program</b>		
Showground Improvement Program	\$0	\$290,890
Play Equip/Softfall Replace	\$156,000	\$1,820,910

*Shoalhaven City Council*  
*Asset Management Plan – Park & Reserves*

TOTAL	\$156,000	\$2,111,800
<b>New Facility Program</b>		
Amenities (General) Ison Park	\$390,000	\$600,000
Ison Park irrigation	\$52,000	\$80,000
Ison park carpark and access road sealing	\$450,000	\$450,000
Berry Sporting Complex	\$0	\$100,000
Car Parking Active	\$0	\$596,730
Sportsfields Shade Provision	\$0	\$375,200
User Contribution Policy	\$0	\$1,502,830
BMX Tracks	\$0	\$122,390
Forward Design	\$0	\$375,200
Implementation of POMS	\$0	\$365,170
Skate Park Provision	\$0	\$259,000
Sportsfield Irrigation Program	\$0	\$838,000
Ulladulla Skate Park extension	\$0	\$400,000
Walking Track Upgrades	\$0	\$365,170
Ulladulla Boardwalk	\$200,000	\$200,000
Parks Tree Planting	\$0	\$204,660
Roads Tree Planting	\$0	\$477,530
TOTAL	\$1,092,000	\$7,311,880
<b>TOTAL CAPITAL WORKS</b>	<b>\$18,062,960</b>	<b>\$40,147,580</b>
<b>TOTALS</b>	<b>\$21,215,246</b>	<b>\$43,145,591</b>

**Table 6: Actual Vs Required funding to meet currently specified requirements**

6.2.1. Cyclic Maintenance

The required funding is based on the schedule necessary to meet the standards, with the costs derived from data in the Maintenance Management System (MMS). It also includes provision for some additional items such as tree and shrub replacement in Landscape Areas Refurbishment and allowance for additional barbecue maintenance to cater for the installation of new facilities, particularly in icon parks. However, it does not include any allowance for the addition of new facilities as these are handed over to Council, primarily from new development. This should be set at a base level of \$24,000, and inflated by at least CPI + 1½% annually (e.g. if inflation is 3.5% then the annual increase should be at least 5%) to keep pace with the increasing number of new facilities.

Based on this analysis, it is clear that only 64% of the required funding is currently being made available. This is despite continuing improvements to efficiency in service delivery and suggests that a review of the required maintenance standards is urgently required, together with associated public consultation so that the attainable standards and funding availability can be better matched.

### 6.2.2. Risk Management/Urgent Works

It can be seen that the funding being provided for most risk management activities is adequate.

The exceptions are Furniture and Sign Repairs and Play Equipment and Softfall. The required funding for Furniture and Sign Repairs has been derived from the condition assessment, making allowance for all signage to be brought back to reasonable condition. Once this is achieved over a period of a few years the annual funding requirement for this activity should reduce to about the current provision.

The required funding for Play Equipment and Soft fall has been taken from the Playground Strategy. The funding required in 2012/13 was \$156,000 annually and each year the value inflates according to the CPI.

### 6.2.3. Programmed Maintenance

Programmed Maintenance is funded to 85% of the required needs. Without adequate programmed maintenance, assets will deteriorate at a faster rate and some assets may even have to be moved up into the Risk Management/Urgent Works category.

Irrigation of sports turf leaches fertiliser from the grass matrix with an increased requirement for fertilising and herbicide control. This need has added \$42,500 to the required budget.

Similarly, when extended drought occurs, it requires a dramatic increase in the need to aerate turf as it becomes compacted in the dry conditions, it also requires additional top dressing. These two factors increase the budget requirement by \$85,000 although they are offset by savings in mowing costs.

There is a programme for undertaking preventative maintenance inspections and repairs on floodlighting but not on irrigation systems. Preventative maintenance inspections e.g. checking sprinkler heads will result in more reliable systems and a lower overall maintenance cost than the current system of only repairing systems when they fail. It should also reduce turf maintenance costs. An additional \$18,500 is required for this activity.

Conversely, signs routine maintenance would benefit from the increased expenditure on risk management required as outlined in Section 6.2.2 and could then be reduced by around \$22,000.

### 6.2.4. Operating Costs

The provision for Operating Costs is generally adequate. This follows as there is limited scope to vary them. The only areas that require an increase are ParkCare Support, as there is large training component for volunteers, and substantial additional funds could be expended on National Tree Day (it is suggested that this allocation be increased by \$8,500).

#### 6.2.5. Capital Enhancement Programmes

Substantial additional funds are required for Council to continue the development of its parks and reserves in accordance with community expectations and already adopted strategies.

In particular, almost \$480,000 annually is required for Council to undertake required enhancements to Icon Parks. This may be an area that Council would want to review in parallel with public consultation.

There is currently no provision for sealing of carparks. Provision of \$110,000 is required (\$66,000 for Active and \$44,000 for Passive reserves) per annum over ten years to fulfil the requirements of the carpark programme prepared some four years ago.

#### 6.2.6. Capital Replacement Programme

The only capital replacement provision in the current budget is in response to the playground strategy. Even so, analysis of this strategy shows that an additional \$35,000 is required. Annual capital funding of \$50,000 is also suggested for non-specific assets that require replacement.

#### 6.2.7. New Facility Programme

This is the creation of totally new assets and is based on the average annual sum required from the forward capital estimates. The current budget provision is adequate to meet this requirement.

However, it must be understood that the creation of every new asset also results in the creation of a future ongoing maintenance and capital renewal commitment that has to be funded to preserve the new asset. This will vary from 5% to 8% of the capital expenditure annually. Capital expenditure authorisation for new assets should automatically trigger an increase in the relevant maintenance budget so that the asset is preserved for future generations, and the increased maintenance liability should form part of the consideration of whether to expend the capital in the first place.

#### 6.2.8. Funding Summary

The current maintenance and annualised capital provision for parks and reserves is only 76% of that required to meet the MERIT standards, required maintenance standards, previously considered strategies and planned capital works.

The imbalance can be partly met through a revision of the MERIT standards and matching these with community expectations through consultation. However, it is clear that additional maintenance funding is required if the existing assets are not to deteriorate further, resulting in a future drain on capital and urgent maintenance funds.

The question remains; will the funding versus needs imbalance be addressed? To not address this issue now only adds to the burden on future generations.

### 6.3. Valuation Forecasts

According to Australian Accounting Standard (AASB) 116, asset classes will need to be revalued unless there have been material changes. The due date of revaluation to each asset class is shown below:

Asset Class	Due
Water & Sewer	30-Jun-12
Property, plant and equipment, operational land, buildings	30-Jun-13
Roads, bridges, footpaths, drainage, bulk earth works	30-Jun-15
Community land, other assets, land improvement	30-Jun-16

**Table 7. Fair Valuation – Infrastructure, property, plant and equipment**

### 6.4. Key Assumptions Made in Financial Forecasts

Key assumption made in presenting the information in this AMP and in preparing forecast of required operating and capital expenditure and asset values, depreciation expenses and carrying amount estimates are detailed below. They are presented to enable readers to gain an understanding of the levels of confidence in the data behind the financial forecast.

Key assumption:

- Average useful lives and average remaining lives of the asset classes are based on current local knowledge and experience, historical trends and accepted industry practice. These need to be reviewed and the accuracy improved, based on regular re-assessment of asset deterioration.
- Reviews of the effective useful lives of assets and population/demographic changes have the potential for greatest variance in future cost predictions.
- Changes in development needs associated with the rate and location of growth and changes in the desired level of service and service standards from those identified in the Asset Management Plan, will both impact on future funding.

Accuracy of future financial forecasts may be improved in future revisions of the Plan by the following actions:

- Implementation of a Job Costing system to incorporate continuously current unit rate data.
- More refined condition rating data with more history for reference.
- Greater degree of componentisation in the rating process.
- Development of better degradation models through national research and development programs.
- Development of better financial models through collaborative processes.
- Implementation of an asset information system.

Specific annual maintenance and renewal cost trends are detailed for each asset category in the relevant Sections.

## **6.5. Forecast Reliability and Confidence**

A full survey of all 'hard' assets in parks & reserves was undertaken in 2011/12. The defects in assets have been updated to December 2011. All assets were located by GPS and their description and condition was recorded. Currently there is no auditable procedure to ensure that all works undertaken in response to the survey are reported for updating of asset data. It is considered that the capture of asset changes arising from repair and installation of new assets cannot be guaranteed with accuracy. Hence it is proposed to undertake asset surveys on a five yearly cycle to update asset data. This frequency should be sufficient to provide comparison data on funding needs and identify the overall decline or improvement in asset condition. This also suggests that this Asset Management Plan should be updated following each survey to reflect the survey data.

The data gathered from the first asset survey is sufficient to give a guide to condition and funding needs but not to a high level of accuracy. Additionally, although a number of recreation strategies have been developed over the years, there has not been any effort to develop costs for Strategy implementation. Accordingly funding needs identified in this Plan are initial estimates only due to limited data and the extent of program development.

## **7. PLAN IMPROVEMENT AND MONITORING**

This section of the asset management plan outlines any asset management practices and improvements that have arisen during the process of documenting this first plan and can be incorporated into the organisation's methodology for further enhancement to the asset management practice as the second tier asset management plan is undertaken.

A basic principle of good asset management practice is that existing assets will be maintained and renewed where necessary, before the acquisition of new assets are to be considered.

The following Key Performance Indicators will be used to gauge satisfactory outcomes from this Asset Management Plan:

- Number of customer requests/reports in the period and
- Number of public liability claims in the period.

### **7.1. Status of AM Practices**

It is desirable to have an Asset Management Practice that indicates a good quality of strong governance and accountability; more sustainable decisions, enhanced customer service, effective risk management; and improved financial efficiency.

Further work is still required to enable comparative performance to be determined for each facility and to clearly categorise both the facilities and the maintenance activities carried out at them. This is no small task given the number of facilities that Council manages and the multitude of maintenance tasks carried out on an annual basis. When this performance assessment is achieved, it will be possible to more effectively benchmark performance both within Council, against other comparative councils and against the private sector. This will then allow Council to choose the most effective and efficient service delivery means for any particular facility.



Supporting Council's asset management system are tools and functions that identifies maintenance, renewal, creation and disposal of assets. It includes system planning and monitoring, system record management and asset management planning and policy.

#### 7.1.1. Accounting/ Financial Systems

Financial transactions are recorded in Council's corporate SunSystems Financial Software and are viewable through the Financial Information System (FIS). Finance staff are responsible for operating the finance system especially the general ledger and budget accounts receivable. A systems Accountant assists in providing technical support for the systems operation and maintenance.

Continued analysis of the Financial Model, capital expenditure, asset renewal, maintenance and operations requirements, and the interrelationships between service levels and expenditure is expected to be part of the asset management improvement programme. The Local Government Act 1993 requires that Council prepare and maintain all accounting records, accounts and financial statements in accordance with all relevant Australian Accounting Standards. The following accounting standards and guidelines must be complied with:

- AASB 116 Property, Plant & Equipment – prescribes requirements for recognition and depreciation of property, plant and equipment assets
- AASB 136 Impairment of Assets – aims to ensure that assets are carried at amounts that are not in excess of their recoverable amounts
- AASB 1021 Depreciation of Non-Current Assets – specifies how depreciation is to be calculated
- AAS 1001 Accounting Policies – specifies the policies that Council is to have for recognition of assets and depreciation
- AASB 1041 Accounting for the reduction of Non-Current Assets – specifies the frequency and basis of calculating depreciation and revaluation basis used for assets
- AAS 1015 Accounting for acquisition of assets – method of allocating the value to new assets on acquisition
- AAS 27 Financial reporting by Local Government
- AAS 1010 Recoverable Amounts of Non-Current Asset – specifies requirement to test the reasonableness of valuations

The objective of the above Accounting Policies is to provide guidance around identifying, classifying, valuing, recording and disposing of non-current physical assets. This will provide for greater understanding and accuracy of Council's capital requirements and depreciation expenses in the context of financial sustainability and intergenerational equity as well as ensuring that Council is meeting its statutory reporting obligations.

#### 7.1.2. Asset Management Systems

Physical Asset data is recorded in Council's Conquest Asset Register. Customer enquiries are managed via Council's MERIT system, with document management undertaken using the TRIM system.

Responsibilities for administering asset management systems generally sit with the Infrastructure Systems and Support team. Data entry on a job by job basis is handled via

several staff across Council, with significant data entry by Council's City Works and Infrastructure Divisions.

## **7.2. Improvement Programme**

The following are the major recommendations contained within this Asset Management Plan.

1. To undertake a review of the maintenance Category for each location in conjunction with Community Consulting Bodies (CCB's) commencing.
2. Synchronizing asset register between Infrastructure Planning, Parks, Finance and GIS sections
3. Review MERIT to allow a ready review of trends in customer requests
4. Regularly review the Parks & Reserves Risk Management Procedure to reflect any changes arising from the finalisation of Strategy implementation plans, community consultation regarding Levels of Service and funding.
5. Undertake asset surveys on a five yearly cycle to update asset data
6. Update this Asset Management Plan following each survey to reflect the survey data
7. Once the Section 94 Contribution Plan for Active Recreation review is completed, it should be considered in the light of this Parks and Reserves Asset Management Plan and the Plan reviewed accordingly
8. A review of the required maintenance standards for Cyclic Maintenance is urgently required, together with associated public consultation so that the attainable standards and funding availability can be better matched
9. Capital expenditure authorisation for new assets to automatically trigger an increase in the relevant maintenance budget so that the asset is preserved for future generations
10. The draft Asset Management Plan to be placed on public exhibition. After consideration of comments on the draft AMP, the amended AMP will then be reported for formal adoption by Council.
11. Linking the Asset Register (Conquest) to Strategic Planning Systems (Maloney Modelling Tool), Works Management Systems (MMS), Asset Costing Systems (Knowledge Base), Customer Request Systems (Merit), Plans & Records Management (Drawing Catalog), Electronic Data Management System (EDMS/TRIM), Financial Information System (SUN/FIS) and Spatial Mapping Systems (ESRI/GIS)
12. The following Key Performance Indicators to be used to gauge satisfactory outcomes from this Asset Management Plan and be measured as at 30th June each year –
  - Number of customer requests/reports in the period and
  - Number of public liability claims in the period.

### **7.3. Monitoring and Review Procedures**

Regular monitoring and review of this asset management plan is essential in order to ensure the document is able to continue to provide strategic guidance in the sustainable management of Council's open space and recreational assets. This is the first version of the AMP and it will be reviewed and further developed over the next few years.

### **7.4. Performance Measures**

Performance measurement provides an indication the performance against its goals and levels of services. Good performance measures should be specific, measurable, achievable, relevant, time bound (specifies due date or frequency of action), evaluation and reassessed. A good performance measure should also be used consistently over time so that progress and trends can be tracked.

The three significant measures of Council's performance are:

#### **Quality**

The assets will be maintained in a usable condition. Defects found or reported that are outside our service standard will be repaired. Defect prioritisation and response times will be detailed in Council's Maintenance Response Levels of Service.

#### **Function**

Council's intent is that appropriate assets are maintained in partnership with other levels of government and stakeholders to ensure they meet current and future needs.

#### **Safety**

Assets will be maintained at a safe level and associated signage and equipment will be provided as needed. Council inspects all assets regularly and prioritises the repair of defects in accordance with our inspection schedule to ensure they are safe.

The main functional consequences of failure to deliver the desired outcomes are:

Asset Maintenance	Increase in user and owner costs.
Level of Service	Increase in litigation.

The following Key Performance Indicators will be used to gauge satisfactory outcomes from this Asset Management Plan and shall be measured as at 30<sup>th</sup> June each year –

- Number of customer requests/reports in the period and
- Number of public liability claims in the period.

## 8. REFERENCES

- IPWEA, 2006, 'International Infrastructure Management Manual', Institute of Public Works Engineering Australia, Sydney, [www.ipwea.org.au/IIMM](http://www.ipwea.org.au/IIMM)
- IPWEA, 2008, 'NAMS.PLUS Asset Management', Institute of Public Works Engineering Australia, Sydney, [www.ipwea.org.au/namsplus](http://www.ipwea.org.au/namsplus)
- IPWEA, 2009, 'Australian Infrastructure Financial Management Guidelines', Institute of Public Works Engineering Australia, Sydney, [www.ipwea.org.au/AIFMG](http://www.ipwea.org.au/AIFMG).
- IPWEA, 2011, 'International Infrastructure Management Manual', Institute of Public Works Engineering Australia, Sydney, [www.ipwea.org.au/IIMM](http://www.ipwea.org.au/IIMM)
- Shoalhaven City Council, 2009, Sportsground Strategic Plan 2008-2036
- Shoalhaven City Council, 2010, Community Strategic Plan 2020
- <http://www.id.com.au/forecast/shoalhaven>

## 9. APPENDICES

### 9.1 Glossary

#### **Age**

The current date less year when asset was constructed

#### **AMP**

Asset Management Plan

#### **Annual service cost (ASC)**

- 1) Reporting actual cost  
The annual (accrual) cost of providing a service including operations, maintenance, depreciation, finance/opportunity and disposal costs less revenue.
- 2) For investment analysis and budgeting  
An estimate of the cost that would be tendered, per annum, if tenders were called for the supply of a service to a performance specification for a fixed term. The Annual Service Cost includes operations, maintenance, depreciation, finance/ opportunity and disposal costs, less revenue.

**Asset condition assessment**

The process of continuous or periodic inspection, assessment, measurement and interpretation of the resultant data to indicate the condition of a specific asset so as to determine the need for some preventative or remedial action.

**Asset management**

A systematic process to guide the planning, acquisition, operation and maintenance, renewal and disposal of asset based on the combination of management, financial, economic, engineering and other practices applied to physical assets with the objective of providing the required level of service in the most cost effective manner.

**Asset**

A resource controlled by an entity as a result of past events and from which future economic benefits are expected to flow to the entity. Infrastructure assets are a sub-class of property, plant and equipment which are non-current assets with a life greater than 12 months and enable services to be provided.

**Asset category**

Sub-group of assets within a class hierarchy for financial reporting and management purposes.

**Asset class**

A group of assets having a similar nature or function in the operations of an entity, and which, for purposes of disclosure, is shown as a single item without supplementary disclosure.

**Asset condition assessment**

The process of continuous or periodic inspection, assessment, measurement and interpretation of the resultant data to indicate the condition of a specific asset so as to determine the need for some preventative or remedial action.

**Asset Register**

A record of asset information including condition, construction, financial, historical, inventory and technical details

**Asset renewal funding ratio**

The ratio of the net present value of asset renewal funding accommodated over a 10 year period in a long term financial plan relative to the net present value of projected capital renewal expenditures identified in an asset management plan for the same period [AIFMG Financial Sustainability Indicator No 8].

**Average annual asset consumption (AAAC)\***

The amount of an organisation's asset base consumed during a reporting period (generally a year). This may be calculated by dividing the depreciable amount by the useful life (or total future economic benefits/service potential) and totalled for each and every asset OR by dividing the carrying amount (depreciated replacement cost) by the remaining useful life (or remaining future economic benefits/service potential) and totalled for each and every asset in an asset category or class.

## **Borrowings**

A borrowing or loan is a contractual obligation of the borrowing entity to deliver cash or another financial asset to the lending entity over a specified period of time or at a specified point in time, to cover both the initial capital provided and the cost of the interest incurred for providing this capital. A borrowing or loan provides the means for the borrowing entity to finance outlays (typically physical assets) when it has insufficient funds of its own to do so, and for the lending entity to make a financial return, normally in the form of interest revenue, on the funding provided.

## **Capital expansion expenditure**

Expenditure that extends an existing asset, at the same standard as is currently enjoyed by residents, to a new group of users. It is discretionary expenditure, which increases future operating, and maintenance costs, because it increases council's asset base, but may be associated with additional revenue from the new user group, eg. extending a drainage or road network, the provision of an oval or park in a new suburb for new residents.

## **Capital expenditure**

Relatively large (material) expenditure, which has benefits, expected to last for more than 12 months. Capital expenditure includes renewal, expansion and upgrade. Where capital projects involve a combination of renewal, expansion and/or upgrade expenditures, the total project cost needs to be allocated accordingly.

## **Capital expenditure - expansion**

Expenditure that extends the capacity of an existing asset to provide benefits, at the same standard as is currently enjoyed by existing beneficiaries, to a new group of users. It is discretionary expenditure, which increases future operations and maintenance costs, because it increases the organisation's asset base, but may be associated with additional revenue from the new user group, eg. extending a drainage or road network, the provision of an oval or park in a new suburb for new residents.

## **Capital expenditure - new**

Expenditure which creates a new asset providing a new service/output that did not exist beforehand. As it increases service potential it may impact revenue and will increase future operations and maintenance expenditure.

## **Capital expenditure - renewal**

Expenditure on an existing asset or on replacing an existing asset, which returns the service capability of the asset up to that which it had originally. It is periodically required expenditure, relatively large (material) in value compared with the value of the components or sub-components of the asset being renewed. As it reinstates existing service potential, it generally has no impact on revenue, but may reduce future operations and maintenance expenditure if completed at the optimum time, eg. resurfacing or resheeting a material part of a road network, replacing a material section of a drainage network with pipes of the same capacity, resurfacing an oval.

**Capital expenditure - upgrade**

Expenditure, which enhances an existing asset to provide a higher level of service or expenditure that will increase the life of the asset beyond that which it had originally. Upgrade expenditure is discretionary and often does not result in additional revenue unless direct user charges apply. It will increase operations and maintenance expenditure in the future because of the increase in the organisation's asset base, eg. widening the sealed area of an existing road, replacing drainage pipes with pipes of a greater capacity, enlarging a grandstand at a sporting facility.

**Capital funding**

Funding to pay for capital expenditure.

**Capital grants**

Monies received generally tied to the specific projects for which they are granted, which are often upgrade and/or expansion or new investment proposals.

**Capital investment expenditure**

See capital expenditure definition

**Capitalisation threshold**

The value of expenditure on non-current assets above which the expenditure is recognised as capital expenditure and below which the expenditure is charged as an expense in the year of acquisition.

**Carrying amount**

The amount at which an asset is recognised after deducting any accumulated depreciation / amortisation and accumulated impairment losses thereon.

**Capital new expenditure**

Expenditure which creates a new asset providing a new service to the community that did not exist beforehand. As it increases service potential it may impact revenue and will increase future operating and maintenance expenditure.

**Capital renewal expenditure**

Expenditure on an existing asset, which returns the service potential or the life of the asset up to that which it had originally. It is periodically required expenditure, relatively large (material) in value compared with the value of the components or subcomponents of the asset being renewed. As it reinstates existing service potential, it has no impact on revenue, but may reduce future operating and maintenance expenditure if completed at the optimum time, eg. resurfacing or resheeting a material part of a road network, replacing a material section of a drainage network with pipes of the same capacity, resurfacing an oval. Where capital projects involve a combination of renewal, expansion and/or upgrade expenditures, the total project cost needs to be allocated accordingly.

**Capital upgrade expenditure**

Expenditure, which enhances an existing asset to provide a higher level of service or expenditure that will increase the life of the asset beyond that which it had originally. Upgrade expenditure is discretionary and often does not result in additional revenue unless direct user charges apply. It will increase operating and maintenance expenditure in the future because of the increase in the council's asset base, eg. widening the sealed area of an existing road, replacing drainage pipes with pipes of a greater capacity, enlarging a grandstand at a sporting facility. Where capital projects involve a combination of renewal, expansion and/or upgrade expenditures, the total project cost needs to be allocated accordingly.

**Capital Works**

The creation of new assets or an increase in the capacity of existing assets beyond their original design capacity or service potential

**Carrying amount**

The amount at which an asset is recognised after deducting any accumulated depreciation / amortisation and accumulated impairment losses thereon.

**Component**

An individual part of an asset which contributes to the composition of the whole and can be separated from or attached to an asset or a system.

**Conquest**

An asset management software package that includes Council's Asset Register and Asset Maintenance System

**Core asset management**

Asset management which relies primarily on the use of an asset register, maintenance management systems, job resource management, inventory control, condition assessment, simple risk assessment and defined levels of service, in order to establish alternative treatment options and long-term cashflow predictions. Priorities are usually established on the basis of financial return gained by carrying out the work (rather than detailed risk analysis and optimised decision- making).

**Cost of an asset**

The amount of cash or cash equivalents paid or the fair value of the consideration given to acquire an asset at the time of its acquisition or construction, plus any costs necessary to place the asset into service. This includes one-off design and project management costs.

**Council**

Shoalhaven City Council

**Critical assets**

Assets for which the financial, business or service level consequences of failure are sufficiently severe to justify proactive inspection and rehabilitation. Critical assets have a lower threshold for action than noncritical assets.



**Current replacement cost (CRC)**

The cost the entity would incur to acquire the asset on the reporting date. The cost is measured by reference to the lowest cost at which the gross future economic benefits could be obtained in the normal course of business or the minimum it would cost, to replace the existing asset with a technologically modern equivalent new asset (not a second hand one) with the same economic benefits (gross service potential) allowing for any differences in the quantity and quality of output and in operating costs.

**Current replacement cost “As New” (CRC)**

The current cost of replacing the original service potential of an existing asset, with a similar modern equivalent asset, i.e. the total cost of replacing an existing asset with an as NEW or similar asset expressed in current dollar values.

**Depreciable amount**

The cost of an asset, or other amount substituted for its cost, less its residual value.

**Depreciated replacement cost (DRC)**

The current replacement cost (CRC) of an asset less, where applicable, accumulated depreciation calculated on the basis of such cost to reflect the already consumed or expired future economic benefits of the asset

**Depreciation / amortisation**

The wearing out, consumption or other loss of value of an asset whether arising from use, passing of time or obsolescence through technological and market changes. It is accounted by the allocation of the cost (or revalued amount) of the asset less its residual value over its useful life.

**Disposal**

Activities necessary to dispose of decommissioned assets

**DLG**

NSW Division of Local Government, Department of Premier and Cabinet

**Expenditure**

The spending of money on goods and services. Expenditure includes recurrent and capital.

**Facility**

A complex comprising many assets which represent a single management unit for financial, operational, maintenance and other purposes

**Fair value**

The amount for which an asset could be exchanged, or a liability settled, between knowledgeable, willing parties, in an arms length transaction.

### **Financing gap**

A financing gap exists whenever an entity has insufficient capacity to finance asset renewal and other expenditure necessary to be able to appropriately maintain the range and level of services its existing asset stock was originally designed and intended to deliver. The service capability of the existing asset stock should be determined assuming no additional operating revenue, productivity improvements, or net financial liabilities above levels currently planned or projected. A current financing gap means service levels have already or are currently falling. A projected financing gap if not addressed will result in a future diminution of existing service levels.

### **GIS**

Geographical Information System, mapping and spatial location technology systems which show location and relationship to key geographical datum points

### **Heritage asset**

An asset with historic, artistic, scientific, technological, geographical or environmental qualities that is held and maintained principally for its contribution to knowledge and culture and this purpose is central to the objectives of the entity holding it.

### **Impairment Loss**

The amount by which the carrying amount of an asset exceeds its recoverable amount.

### **Infrastructure assets**

Physical assets of the entity or of another entity that contribute to meeting the public's need for access to major economic and social facilities and services, eg. roads, drainage, footpaths and cycleways. These are typically large, interconnected networks or portfolios of composite assets. The components of these assets may be separately maintained, renewed or replaced individually so that the required level and standard of service from the network of assets is continuously sustained. Generally the components and hence the assets have long lives. They are fixed in place and are often have no market value.

### **Investment property**

Property held to earn rentals or for capital appreciation or both, rather than for:

- (a) use in the production or supply of goods or services or for administrative purposes; or
- (b) sale in the ordinary course of business (AASB 140.5)

### **Level of service**

The defined service quality for a particular service against which service performance may be measured. Service levels usually relate to quality, quantity, reliability, responsiveness, environmental, acceptability and cost).

### **Life Cycle Cost \***

1. **Total LCC** The total cost of an asset throughout its life including planning, design, construction, acquisition, operation, maintenance, rehabilitation and disposal costs.
2. **Average LCC** The life cycle cost (LCC) is average cost to provide the service over the longest asset life cycle. It comprises average operations, maintenance expenditure plus asset consumption expense, represented by depreciation expense projected over 10 years. The Life Cycle Cost does not indicate the funds required to provide the service in a particular year.

### **Life Cycle Expenditure**

The Life Cycle Expenditure (LCE) is the actual or planned annual maintenance and capital renewal expenditure incurred in providing the service in a particular year. Life Cycle Expenditure may be compared to Life Cycle Expenditure to give an initial indicator of life cycle sustainability.

### **Loans / borrowings**

Loans result in funds being received which are then repaid over a period of time with interest (an additional cost). Their primary benefit is in 'spreading the burden' of capital expenditure over time. Although loans enable works to be completed sooner, they are only ultimately cost effective where the capital works funded (generally renewals) result in operating and maintenance cost savings, which are greater than the cost of the loan (interest and charges).

### **Maintenance**

All actions necessary for retaining an asset as near as practicable to an appropriate service condition, including regular ongoing day-to-day work necessary to keep assets operating, eg road patching but excluding rehabilitation or renewal. It is operating expenditure required to ensure that the asset reaches its expected useful life.

- **Planned maintenance**  
Repair work that is identified and managed through a maintenance management system (MMS). MMS activities include inspection, assessing the condition against failure/breakdown criteria/experience, prioritising scheduling, actioning the work and reporting what was done to develop a maintenance history and improve maintenance and service delivery performance.
- **Reactive maintenance**  
Unplanned repair work that is carried out in response to service requests and management/ supervisory directions.
- **Specific maintenance**  
Maintenance work to repair components or replace sub-components that needs to be identified as a specific maintenance item in the maintenance budget.
- **Unplanned maintenance**  
Corrective work required in the short-term to restore an asset to working condition so it can continue to deliver the required service or to maintain its level of security and integrity.

### **Maintenance and renewal sustainability index**

Ratio of estimated budget to projected expenditure for maintenance and renewal of assets over a defined time (eg 5, 10 and 15 years).

### **Maintenance expenditure**

Recurrent expenditure, which is periodically or regularly required as part of the anticipated schedule of works required to ensure that the asset achieves its useful life and provides the required level of service. It is expenditure, which was anticipated in determining the asset's useful life.

### **Materiality**

An item is material if its omission or misstatement could influence the economic decisions of users taken on the basis of the financial report. Materiality depends on the size and nature of the omission or misstatement judged in the surrounding circumstances.

**Modern equivalent asset**

Assets that replicate what is in existence with the most cost-effective asset performing the same level of service. It is the most cost efficient, currently available asset which will provide the same stream of services as the existing asset is capable of producing. It allows for technology changes and, improvements and efficiencies in production and installation techniques

**Net present value (NPV)**

The value to the organisation of the cash flows associated with an asset, liability, activity or event calculated using a discount rate to reflect the time value of money. It is the net amount of discounted total cash inflows after deducting the value of the discounted total cash outflows arising from eg the continued use and subsequent disposal of the asset after deducting the value of the discounted total cash outflows.

**New Works**

New work expenditure is Capital Works expenditure, i.e. money spent on new works (development costs) and upgrades to an existing asset or on creating a new asset

**Non-revenue generating investments**

Investments for the provision of goods and services to sustain or improve services to the community that are not expected to generate any savings or revenue to the Council, eg. parks and playgrounds, footpaths, roads and bridges, libraries, etc.

**Operations**

Regular activities to provide services such as public health, safety and amenity, eg street sweeping, grass mowing and street lighting.

**Operating expenditure**

Recurrent expenditure, which is continuously required excluding maintenance and depreciation, eg power, fuel, staff, plant equipment, on-costs and overheads.

**Operational Plan**

Generally comprise detailed implementation plans and information with a 1-3 year outlook (short-term). The plans detail structure, authority, responsibilities, defined levels of service and emergency responses

**Rate of annual asset consumption \***

The ratio of annual asset consumption relative to the depreciable amount of the assets. It measures the amount of the consumable parts of assets that are consumed in a period (depreciation) expressed as a percentage of the depreciable amount.

**Rate of annual asset renewal \***

The ratio of asset renewal and replacement expenditure relative to depreciable amount for a period. It measures whether assets are being replaced at the rate they are wearing out with capital renewal expenditure expressed as a percentage of depreciable amount (capital renewal expenditure/DA).

**Rate of annual asset upgrade/new \***

A measure of the rate at which assets are being upgraded and expanded per annum with capital upgrade/new expenditure expressed as a percentage of depreciable amount (capital upgrade/expansion expenditure/DA).

**Reactive maintenance**

Unplanned repair work that carried out in response to service requests and management/supervisory directions.

**Recoverable amount**

The higher of an asset's fair value, less costs to sell and its value in use.

**Recurrent expenditure**

Relatively small (immaterial) expenditure or that which has benefits expected to last less than 12 months. Recurrent expenditure includes operating and maintenance expenditure.

**Recurrent funding**

Funding to pay for recurrent expenditure.

**Rehabilitation**

See capital renewal expenditure definition above.

**Remaining Useful life**

Remaining useful life is determined for each individual asset from the condition rating. It is the time that the asset provides future economic benefit, from acquisition to expected replacement, renewal in full or replacement / disposal

**Renewal**

Works or actions to upgrade, refurbish or replace components of an asset to restore it to near new and required functional condition, extending its current remaining life

**Residual value**

The net amount which an entity expects to obtain for an asset at the end of its useful life after deducting the expected costs of disposal.

**Revenue generating investments**

Investments for the provision of goods and services to sustain or improve services to the community that are expected to generate some savings or revenue to offset operating costs, eg public halls and theatres, childcare centres, sporting and recreation facilities, tourist information centres, etc.

**Risk management**

The application of a formal process to the range of possible values relating to key factors associated with a risk in order to determine the resultant ranges of outcomes and their probability of occurrence.

**Section or segment**

A self-contained part or piece of an infrastructure asset.

**Service**

A benefit gained from utilising or accessing an asset and the associated work done by Council staff or others associated with the Council

**Service expectation**

The description of Level of Service available to users of an asset and any associated services, as described in consultation for developing and reviewing the Community Strategic Plan

**Specific Maintenance**

Replacement of higher value components/sub-components of assets that is undertaken on a regular cycle including repainting, replacement of air conditioning equipment, etc. This work generally falls below the capital/ maintenance threshold and needs to be identified in a specific maintenance budget allocation.

**Strategic Longer-Term Plan**

A plan covering the term of office of councillors (4 years minimum) reflecting the needs of the community for the foreseeable future. It brings together the detailed requirements in the Council's longer-term plans such as the asset management plan and the long-term financial plan. The plan is prepared in consultation with the community and details where the Council is at that point in time, where it wants to go, how it is going to get there, mechanisms for monitoring the achievement of the outcomes and how the plan will be resourced.

**Stakeholder**

A person; group; company or government department representing an interest in an asset; project or service utilising an asset

**Sub-component**

Smaller individual parts that make up a component part.

**Useful life**

Either:

- (a) the period over which an asset is expected to be available for use by an entity, or
- (b) the number of production or similar units expected to be obtained from the asset by the entity.

It is estimated or expected time between placing the asset into service and removing it from service, or the estimated period of time over which the future economic benefits embodied in a depreciable asset, are expected to be consumed by the council. It is the same as the economic life.

**Value in Use**

The present value of estimated future cash flows expected to arise from the continuing use of an asset and from its disposal at the end of its useful life. It is deemed to be depreciated replacement cost (DRC) for those assets whose future economic benefits are not primarily dependent on the asset's ability to generate new cash flows, where if deprived of the asset its future economic benefits would be replaced.

## **10. REVIEW**

Typically a plan of this nature should be reviewed every three (3 years) but in the light of potentially significant change to current service levels annual reviews in the first instance may be warranted to include improved data, service level reviews and completed Strategies.

**Attachment 1 – Background Data**

<b>Reserve Name</b>	<b>Reserve Number</b>	<b>Area</b>	<b>Category</b>	<b>Location</b>	<b>Facilities available</b>	<b>Asset Capacity (Area sqm)</b>	<b>Asset Condition</b>
Arwon CI Reserve (Koloona Dr North Reserve)	NIL051	N	3	Bangalee	Picnic shelters	523	Good condition
Bangalee Reserve	NIL015	N	6	Bangalee	Picnic Shelter	Not Known	Good condition
					Toilet Block		
Karana Drive Reserve (Wongoonoo Ave Reserve)	NIL060	N	4	Bangalee		563	Fair condition
Lincoln CI Reserve (Gypsy Point Rd Reserve)	NIL055	N	3	Bangalee		6162	Good condition
Lochaven Dr	NIL052	N	3	Bangalee		3522	Good condition
Moondara Dr	NIL053	N	3	Bangalee		589	Good condition
Basin View Boatramp Reserve/ BMX	BBV587	B	2	Basin View	Carpark	Not Known	Good condition
					Barbecue		
					Bench		
					Boatwash		
					Fish cleaning table and basin		
					Picnic tables		
Playground							
Basin View Foreshore	BBV589	B	3	Basin View	Benches	Not Known	Good condition
Basin View Reserve	BBV528	B	4	Basin View		68066	Fair condition
Basin View Reserve (east)	BBV528RFS	B	5	Basin View		Not Known	Fair condition
Basin View Reserve (west)	BBV587RFS	B	5	Basin View		Not Known	Fair condition
Malcolm Moore BMX Track	BBV587BMX	B	4	Basin View	Picnic tables	Not Known	Fair condition
					Benches		
Tallyann Point Reserve	BBV588	B	4	Basin View		Not Known	Fair condition
Watersedge Avenue Reserve	BBV527	B	4	Basin View		21779	Fair condition
Bawley Point Bush Fire Brigade	SBP902	S	3	Bawley Point		Not Known	Good condition



*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Bawley Pt Reserve	SBP886	S	6	Bawley Point	Barbecue	Not Known	Good condition
					Pathway		
					Picnic tables		
					Benches		
					Playground		
Bawley Pt. Fire Hazard.	SBP886RFS	S	5	Bawley Point		Not Known	Fair condition
Bawley Pt. Wetland (west)	SBP860RFSM	S	5	Bawley Point		Not Known	Fair condition
Bawley Pt. Wetland Tingira Dr.	SBP860RFST	S	5	Bawley Point		Not Known	Fair condition
Bawley Pt. Wetland-north.	SBP860RFSW	S	5	Bawley Point	Pedestrian bridge	Not Known	Fair condition
Bawley Pt./Shearwater Cres.	SBP886RFSS	S	5	Bawley Point		Not Known	Fair condition
Forster Dr Reserve	SBP872	S	6	Bawley Point	Pedestrian bridge	Not Known	Good condition
Harrington Cr East Reserve	SBP860H	S	3	Bawley Point		37091	Good condition
Malibu Drive Reserve	SBP870	S	6	Bawley Point	Barbecue	83483	Good condition
					Pathway		
					Picnic tables		
					Benches		
Sunbird Place Reserve (Murramarang Rd)	SBP977	S	3	Bawley Point		2378	Good condition
Wippinguy PI Reserve (Aldinga Ave Reserve)	SBP860	S	3	Bawley Point	Pathway	6686	Good condition
					Bench		
Bendalong Beaches	SBE890	S	4	Bendalong		Not Known	Fair condition
Bendalong Point Tourist Pk	38045	S	5	Bendalong	Barbecue	Not Known	Fair condition
					Benches		
					Picnic tables		
Waratah St. Road Verge.	1634	S	5	Bendalong		Not Known	Fair condition
Washerwomans Beach Reserve	SBE888	S	6	Bendalong	Barbecue	Not Known	Good condition
					Bridge		
					Picnic tables		
					Benches		
Berrara Ck Reserve (Old Caravan park)	BBR772	S	3	Berrara	Barbecue	2697	Good condition
					Pathway		

Shoalhaven City Council  
Asset Management Plan – Park & Reserves

					Picnic tables		
					Benches		
Berrara lagoon Reserve	BBR773	S	2	Berrara	Barbecue	13899	Good condition
					Picnic tables		
					Benches		
					Playground		
Meadow Lake Reserve	BBR775	S	3	Berrara		12404	Good condition
Silver Sands Drive Reserve	BBR774	S	4	Berrara	Picnic tables	Not Known	Fair condition
					Benches		
					Viewing Platform		
Alexandra St Reserve (Berry Showground)	NBE008	N	6	Berry		152	Good condition
Anzac Park Berry	NBE014	N	6	Berry		1798	Good condition
Apex Park	NBE016	N	2	Berry	Bridges	4156	Good condition
					Picnic tables		
					Rotunda		
					Benches		
					Tables		
					Playground		
Berry School of Arts	NBE002	N	2	Berry		1864	Good condition
Berry Showground Surrounds	NBE128	N	6	Berry	Public Amenities	Not Known	Good condition
					A&H Society Building		
					Eastern Gate House		
					Grandstand & Meeting Room		
					Rural Youth Hall		
					Western Gate House		
					Memorial		
					Pathway		
					Picnic table		
					Benches		

Shoalhaven City Council  
Asset Management Plan – Park & Reserves

					Pavillions		
					Playground		
					Sheds and Shelters		
Berry Sporting Complex	NBE013s	N	S1	Berry			Excellent condition
Boran Place Reserve	NBE129	N	4	Berry		3073	Fair condition
Borrowdale Close Reserve	NCO002	N	4	Berry		367507	Fair condition
Camp Quality Park	NBE013	N	6	Berry	Barbecues	75747	Good condition
					Pathway		
					Picnic tables		
					Benches		
Cnr Albany & Princess St	NBE007	N	3	Berry		Not Known	Good condition
Cnr Edward & Princess St	NBE006	N	3	Berry		Not Known	Good condition
David Berry Memorial Park	NBE043	N	6	Berry	Memorial	2837	Good condition
					Benches		
Hitchcocks Lane Reserve	NBE130	N	4	Berry		3997	Fair condition
Mark Radium Park	NBE018	N	2	Berry	Barbecues	13524	Good condition
					Benches		
					Pathway		
					Picnic tables		
					Playground		
Mt Vista Close Reserve	NBE005	N	4	Berry		14269	Fair condition
North St Berry	1095	N	10	Berry	Barbecue	Not Known	Good condition
					Benches		
					Bridge		
					Tables		
					Sheds		
					Skate park		
					Cricket field		
					Netball fields		

Shoalhaven City Council  
Asset Management Plan – Park & Reserves

					Tennis courts		
					Sporting amenities		
Princess St Reserve	NBE017	N	6	Berry	Bridges	4994	Good condition
					Picnic table		
					Playground		
					No infrastructure identified		
Queen Street Reserve (Saw Mill Reserve)	NBE011	N	3	Berry		3741	Good condition
Station St Reserve Berry	NBE225	N	3	Berry		Not Known	Good condition
Thomas Close Berry (Raffia Close Reserve)	NBE004	N	4	Berry		2372	Fair condition
Victoria St Res	NBE010	N	3	Berry	Seats	558	Good condition
Windsor Dr Reserve	NBE009	N	3	Berry	Seats	2392	Good condition
Berry Bay Reserve	NCO039	N	4	Bolong		4498	Fair condition
Bolong Road Reserve (Near Broughton Creek)	NOC047	N	6	Bolong		560	Good condition
Artie Smith Oval Bomaderry	NBO091	N	S1	Bomaderry	Clubhouse	78577	Excellent condition
					Football field		
					Hockey field		
					Cricket pitch		
					Memorial		
					Benches		
Sporting amenities							
Bindon Cl Reserve	NBO104	N	3	Bomaderry		1897	Good condition
Bomaderry Lions Park	NBO101	N	2	Bomaderry	Barbecue	Not Known	Good condition
					Benches		
					Fish cleaning table and basin		
					Memorial		
					Picnic Tables		
					Viewing Platform		
Playground							
Bomaderry Oval	NBO094	N	S1	Bomaderry	Cricket pitch	19157	Excellent condition
					Sporting amenities		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Cambewarra Rd Res	NBO102	N	3	Bomaderry		Not Known	Good condition
Bunberra St Reserve	NBO117	N	3	Bomaderry	Minor infrastructure	4246	Good condition
Bomaderry Sporting Complex	NBO090	N	S1	Bomaderry	Cricket pitch	102700	Excellent condition
					Croquet Lawns		
					Barbecue		
					Picnic Tables		
					Benches		
					Playground		
					Tennis courts		
Cavalier Pde Reserve	NBO124	N	3	Bomaderry	Pathways	6887	Good condition
					Picnic tables		
					Bench		
					Playground		
Chebec Close Reserve	NBO111	N	3	Bomaderry		3719	Good condition
Community Centre Bomaderry	NBO131	N	6	Bomaderry		2945	Good condition
Concorde Way Reserve	NBO110	N	3	Bomaderry		4382	Good condition
David Place / Carisbrooke Cl	NBO057	N	3	Bomaderry	Pathway	9555	Good condition
Ettric Cl	NBO107	N	3	Bomaderry		895	Good condition
Ferntree Dr Reserve	NBO103	N	3	Bomaderry	Picnic table	5832	Good condition
Formby Cl Reserve	NBO105WW	N	7	Bomaderry	Minor infrastructure	7864	Fair condition
Harbour Boulevard	NBO053	N	3	Bomaderry	Pathway	1926	Good condition
					Picnic table		
Hibiscus Pl Reserve, Sherton Gardens	NBO207	N	3	Bomaderry		883	Good condition
Jasmine Drive Reserve	NBO105J	N	3	Bomaderry		2314	
John Berry Reserve (Edwards Ave)	NBO096	N	3	Bomaderry	Basketball hoop	10793	Good condition
					Picnic table		
					Playground		
Katela Avenue Reserve	NBO167	N	3	Bomaderry		4040	Good condition
Leonard St Reserve (Endeavour Park)	NBO098	N	3	Bomaderry	Playground	6082	Good condition
Lyndhurst Dr Reserve	NBO056	N	4	Bomaderry	Pathway	15958	Fair condition

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Maleen St Reserve (Brinawarr St Res)	NBO169	N	4	Bomaderry		8423	Fair condition
Melaleuca PI Reserve	NBO109	N	3	Bomaderry		3697	Good condition
Mortons Corner	NBO108	N	3	Bomaderry		432	Good condition
Mulgen Creek Reserve	NBO114	N	4	Bomaderry		21324	Fair condition
Mulgen Cres Reserve	NBO097	N	3	Bomaderry	Playground	1202	Good condition
Penrose Dr Reserve	NBO106	N	3	Bomaderry	Bench	6274	Good condition
					Playground		
Regent Place Reserve	NBO105	N	3	Bomaderry		7864	Good condition
Ried Park	NBO095	N	3	Bomaderry	Bench	2442	Good condition
					Playground		
Roseville Reserve	NBO126	N	3	Bomaderry		2159	Good condition
Sampson Cres	NBO099	N	3	Bomaderry	Bench	6743	Good condition
					Playground		
Shanklin CI	NBO074	N	7	Bomaderry		207	Fair condition
Sheraton Reserve	NBO125	N	3	Bomaderry	Pathways	112592	Good condition
					Picnic tables		
					Bench		
					Playground		
Sheraton Crt Sheraton Garden	1942	N	10	Bomaderry		Not Known	Good condition
Tartarian Cres	NBO089	N	3	Bomaderry		327	Good condition
Thurgate Oval	NBO100	N	S1	Bomaderry	Benches	63063	Excellent condition
					Bridge		
					Cricket pitch		
					Soccer field		
Walsh Park	NBO141	N	6	Bomaderry	Picnic tables	Not Known	Good condition
					Bench		
Waroo PI Reserve	NBO115	N	3	Bomaderry	Minor infrastructure	1242	Good condition
Yeovil Dr Reserve	NBO113	N	3	Bomaderry		39915	Good condition
Broughton Vale Road Reserve	NBR002	N	4	Broughton Vale		37267	Fair condition
Aboriginal Cave Reserve	SBL854	S	6	Burrill Lake		40498	Good condition

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Barker Reserve (Moore St)	SBL855	S	6	Burrill Lake	Picnic tables	12255	Good condition
					Playground		
					Barbecue		
					Pathway		
					Viewing Platform		
					Benches		
Burrill Lake Crown Foreshore.	SBL894	S	5	Burrill Lake		Not Known	Fair condition
Burrill Lake Lions Park	SBL895	S	2	Burrill Lake		Not Known	Good condition
Burrill Lake Ocean Reserve ( Opp. Kings Pt.)	SBL894	S	3	Burrill Lake	Pathway	Not Known	Good condition
					Picnic table		
Burrill Lake Public Hall	SBL705	S	3	Burrill Lake	Minor infrastructure	Not Known	Good condition
Honeysuckle Cl Reserve (Ireland St Reserve)	SBL856	S	3	Burrill Lake		21386	Good condition
Ireland Street Reserve (Rackham Cres Reserve)	SBL853	S	3	Burrill Lake		15290	Good condition
Kendal Crescent Reserve (McDonald Parade Reserve North)	SBL858	S	6	Burrill Lake	Barbecue	964	Good condition
					Picnic table		
McDonald Pde Reserve	SBL851	S	S3	Burrill Lake	Picnic tables	6056	Fair condition
					Pathway		
					Benches		
					Playground		
					Viewing Platform		
Queanbeyan Ave Reserve (Burril Lake Sportsground)	SBL850	S	3	Burrill Lake	Basketball hoop	10156	Good condition
					Cricket pitch		
					Pathway		
Thistleton Reserve	SBL852	S	6	Burrill Lake		2477	Good condition
Carson Crescent Reserve	CCA321	B	3	Callala Bay		6876	Good condition
Emmett St	528V	B	10	Callala Bay	Sporting fields	Not Known	Good condition
					Foot bridge		
					Benches		
					Picnic table		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

					Multipurpose courts		
					Skate park		
Marine Parade	CCA379	B	6	Callala Bay	Picnic table	Not Known	Good condition
					Benches		
Barden Close Reserve	CCA323	B	4	Callala Beach	Pathway	278	Fair condition
Callala bay Boat Ramp	CCA307	B	2	Callala Bay	Barbecue	1822	Good condition
					Fish cleaning table and basin		
					Pathway		
					Picnic tables		
					Benches		
Callala Bay Tennis Courts	CCA291	B	5	Callala Bay	Tennis shelter	Part of Callala Beach Community Hall	Fair condition
					Tennis courts		
					Playground		
Callala Beach Community Hall	CCA287	B	6	Callala Beach		2970	Good condition
Callala Beach Foreshore Reserve	CCA288	B	6	Callala Beach	Pathway	572	Good condition
					Picnic tables		
					Bench		
Callala Beach-Bushfire Works.	CCA362	B	5	Callala Beach		Not Known	Fair condition
Callala Creek Bicentennial Reserve	CCA305	B	2	Callala Bay	Pathway	7902	Good condition
					Barbecue		
					Picnic table		
					Bench		
Callala Sports Complex	CCA305s	B	3	Callala Beach	Tennis courts	Not Known	Good condition
Carson Cres Reserve	CCA323w	B	4	Callala Beach		318	Fair condition
Cronin Place Reserve	CCA313	B	4	Callala Beach		1335	Fair condition
Encounter St Reserve	CCA312	B	3	Callala Bay	Pathway	1966	Good condition
					Playground		
Gowland Crescent Reserve	CCA318	B	3	Callala Bay	Pathway	6820	Good condition



*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

					Benches		
					Playground		
Huon Street Reserve	CCA316	B	4	Callala Bay	Pathway	592	Fair condition
Parkes Crescent Circle	CCA282	B	2	Callala Beach	Barbecues	3326	Good condition
					Pathway		
					Picnic tables		
					Benches		
					Playground		
Sealark Rd Reserve	CCA304	B	4	Callala Beach		10926	Fair condition
Sir Henry Crescent Reserve	CCA283	B	4	Callala Beach		3326	Fair condition
Torrens Close Reserve (Callala Beach Road Reserve)	CCA314	B	3	Callala Beach	Pathway	1067	Good condition
Warrego Place Reserve (Mitchell Road Reserve)	CCA326	B	4	Callala Beach		30945	Fair condition
Broughton Creek Ski Park	NCO012	N	6	Cambewarra Village		Not Known	Good condition
Good Dog Creek Reserve	NCA162	N	3	Cambewarra Village	Benches	19268	Good condition
Howell Faulks Reserve	NCA045	N	6	Cambewarra Village	Barbecue	32375	Good condition
					Pathway		
					Picnic tables		
					Benches		
					Playground		
Ray Abood Village Green (formally The Concourse, Cambewarra Village)	NCA050	N	S1	Cambewarra Village	Sport field	44415	Excellent condition
					Cricket Pitch		
					Pathway		
					Picnic table		
					Benches		
					Rotunda		
					Sporting amenities		
Rouse Ave Reserve	NCA046	N	3	Cambewarra Village	Bench	2775	Good condition
					Playground		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Roxbrough Road Reserve	NCO168	N	4	Coolangatta		1145831	Fair condition
Crookhaven Pilot Station Reserve	CCU299	B	5	Crookhaven		Not Known	Fair condition
Culburra Tennis Courts	38316	B	5	Crookhaven	Barbecue	Not Known	Fair condition
					Bench		
					Tennis shelter		
					Tennis courts		
Collier Entry	366Entry	S	9	Cudmirrah	Tennis shelter	Not Known	Fair condition
					Tennis courts		
					Pathway		
Erroll Bond Res. Picnic Area (Goonawarra Drive)	BCU925	S	3	Cudmirrah		Not Known	Good condition
Erroll Bond Reserve (Goonawarra Drive)	BCU925a	S	3	Cudmirrah	Barbecues	Not Known	Good condition
					Picnic tables		
					Benches		
Koolyn Drive	BCU956K	S	3	Cudmirrah	Picnic table	Not Known	Good condition
					Viewing Platform		
Third Avenue Reserve	BCU956	S	2	Cudmirrah		Not Known	Good condition
Crookhaven Beach Car Park	CCU385a	B	6	Culburra Beach	Picnic Table	Not Known	Good condition
Crookhaven Park - Crookhaven Boat Ramp	CCU385	B	2	Culburra Beach	Fish cleaning table and basin	Not Known	Good condition
					Picnic Tables		
Crookhaven Park - Headland	CCU296	B	2	Culburra Beach	Picnic Tables	Not Known	Good condition
Crookhaven Park Fire Hazard.	CCU392	B	5	Culburra Beach		Not Known	Fair condition
Crookhaven Sports Fields and Surrounds	CCU386	B	S3	Crookhaven and Culburra (double up in conquest)	Sport fields	Not Known	Fair condition
					Cricket Pitch		
					Benches		
					Picnic table		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

					Sporting amenities		
Culburra Beach	CCU277	B	3	Culburra Beach	Pathway	103295	Good condition
Culburra Park	CCU250	B	3	Culburra Beach	Benches	8396	Good condition
Culburra Surf Club Reserve	CCU258	B	6	Culburra Beach	Barbecue	3395	Good condition
					Pathway		
					Picnic tables		
					Benches		
Curley's Bay Reserve	CCU260	B	3	Culburra Beach	Bench	30102	Good condition
Lake Wollumboola Entrance & East Crescent	CCU388	B	2	Culburra Beach	Barbecues	Not Known	Good condition
					Bridges		
					Pathway		
					Playground		
					Picnic tables		
Eastbourne Avenue Reserve	CCU099	B	4	Culburra Beach		Not Known	Fair condition
Fred Evans Park	CCU263	B	3	Culburra Beach		7081	Good condition
Haven St Reserve	CCU267	B	4	Culburra Beach	Minor infrastructure	7087	Fair condition
Lakeside Park (Lk Wooll Boat ramp)	CCU271	B	2	Culburra Beach	Barbecues	48191	Good condition
					Benches		
					Foot bridge		
					Picnic tables		
					Viewing Platform		
Ocean Street Reserve (Central)	CCU276	B	6	Culburra Beach	Pathway	33711	Good condition
					Picnic table		
					Benches		
Orama Crescent Reserve	CCU274	B	3	Culburra Beach	Picnic Table	2397	Good condition
					Playground		
Orient Point Road Reserve	CCU272	B	4	Culburra Beach		5832	Fair condition
Ormonde Crescent Reserve	CCU273	B	4	Culburra Beach		Not Known	Fair condition
Penguins Head Reserve	CCU264	B	6	Culburra Beach	Pathway	2372	Good condition
					Picnic table		

Shoalhaven City Council  
Asset Management Plan – Park & Reserves

					Viewing Platform		
					Benches		
Robert Lonesborough Reserve	CCU387	B	3	Culburra Beach	Picnic table	Not Known	Good condition
					Bench		
Seagull Street Reserve	CCU275	B	4	Culburra Beach	Benches	Not Known	Fair condition
The Strand Reserve (Addison Rd Reserve)	CCU259	B	4	Culburra Beach		1752	Fair condition
Tilbury Cove Reserve	CCU265	B	2	Culburra Beach	Barbecues	12447	Good condition
					Pathway		
					Picnic tables		
					Bench		
					Playground		
Vivian Way Reserve	CCU270	B	4	Culburra Beach		7315	Fair condition
West Crescent	CCU105	B	4	Culburra Beach	Minor infrastructure	20972	Fair condition
Wheeler park	CCU266	B	6	Culburra Beach	Bench	5911	Good condition
Berringer Lake Boat Ramp	SBR120	S	4	Cunjarong Point		Not Known	Fair condition
Cunjarong Pt Boat ramp	SCP885	S	6	Cunjarong Point	Barbecues	1022000	Good condition
					Picnic Tables		
					Benches		
					Playground		
Cunjarong Pt. access track.	SCP885RFSC	S	5	Cunjarong Point	Picnic table	Part of Cunjarong Pt Boat Ramp	Fair condition
Cunjarong Pt. Alaska St.+ Quebec St.	SCP885Q	S	5	Cunjarong Point		Part of Cunjarong Pt Boat Ramp	Fair condition
Cunjarong Pt. Boatramp Reserve.	SCP885RFS	S	5	Cunjarong Point	Picnic tables	Part of Cunjarong Pt Boat Ramp	Fair condition
Abrahams Bosom Reserve	CCR393	B	2	Currarong	Barbecues	Not Known	Good condition
					Bridge		

Shoalhaven City Council  
Asset Management Plan – Park & Reserves

					Benches		
					Picnic tables		
Currarong Parkway	CCR281	B	4	Currarong	Minor infrastructure	1068	Fair condition
Currarong Tourist Park	CCR391	B	4	Currarong		71900	Fair condition
Dolphin Reserve	CCR279	B	2	Currarong	Benches	5470	Good condition
					Foot bridge		
					Picnic tables		
					Benches		
					Pathway		
					Playground		
Elliott park	CCR394	B	3	Currarong	Basketball court	22770	Good condition
					Bridges		
					Benches		
					Cricket Pitch		
					Memorial		
					Picnic table		
					Tennis courts		
					Tennis clubhouse		
					Tennis shed		
Sporting amenities							
Kinghorne Point Reserve	CCR900	B	4	Currarong		91200	Fair condition
Morgan Reserve	CCR280	B	4	Currarong	Minor infrastructure	1542	Fair condition
Rock Pool Reserve	CCR435	B	2	Currarong	Barbecues	1200	Good condition
					Benches		
					Picnic tables		
Walton Way Reserve	CCR395	B	6	Currarong	Pathway	2289	Good condition
					Picnic table		
					Playground		
Warrain Crescent Reserve	CCR389	B	4	Currarong		Not Known	Fair condition

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Yalwal Street Boat Ramp	CCR435BR	B	6	Currarong		1000	Good condition
Burrill Lake Bridge Reserve	SDP910	S	3	Dolphin Point		Not Known	Good condition
Dolphin Point Reserve	SDP904	S	2	Dolphin Point	Minor infrastructure	Not Known	Good condition
Hazel Robotham Reserve	SFP783	S	6	Fishermans Paradise	Basketball court	37260	Good condition
					Barbecues		
					Picnic Tables		
					Benches		
ANZAC Park Greenwell Point	CGP400	B	2	Greenwell Point	Memorial	885	Good condition
					Picnic tables		
					Picnic shelter		
					Benches		
Crookhaven Drive Reserve	CGP252	B	3	Greenwell Point	Minor infrastructure	7364	Good condition
Gordon Ravell Oval and Surrounds	CGP251	B	S2	Greenwell Point	Basketball court	23080	Good condition
					Memorial		
					Benches		
					Playground		
					Sporting amenities		
Greenwell Point Tennis Club	CGP270	B	3	Greenwell Point		765	Good condition
Greenwell Point Wharf	CGP402	B	2	Greenwell Point		2091	Good condition
Greenwell Pt Foreshore Reserve	CGP255	B	1	Greenwell Point		16220	Excellent condition
Haiser Road	CGP254	B	4	Greenwell Point	Minor infrastructure	6668	Fair condition
Titania Park (formerly Greenwell Point Swimming Pool)	CGP401	B	1	Greenwell Point	Barbecues	Part of Greenwell Pt Foreshore Reserve	Excellent condition
					Pathway		
					Picnic tables		
					Benches		
					Playground		
West Street Reserve	CGP256	B	3	Greenwell Point	Minor infrastructure	14260	Good condition

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

West Street Wharf	CGP253	B	3	Greenwell Point	Minor infrastructure	556	Good condition
Wilkins Street Reserve	CGP257	B	4	Greenwell Point		2870	Fair condition
Bay and Basin Cycleway (White Sands Park)	BHU593C	B	4	Huskisson		Not Known	Fair condition
Huskisson Beach Reserve	BHU595	B	2	Huskisson	Pathway	Not Known	Good condition
					Picnic table		
					Benches		
					Playground		
Jervis Bay Lions Park (Moona Moona Creek Reserve)	BHU311	B	5	Huskisson	Minor infrastructure	2134	Fair condition
Lady Denman Complex	BHU603	B	2	Huskisson		29400	Good condition
Moona Moona Reserve	BHU595	B	2	Huskisson	Barbecue	Not Known	Good condition
					Pathway		
					Pergola		
					Picnic tables		
					Picnic shelters		
					Playground		
Huskisson Sports Fields and Surrounds	BHU606	B	S2	Huskisson	Sport fields	53486	Good condition
					Cricket Pitch		
					Picnic tables		
					Benches		
					Playground		
Rotary Park / Currambene St	BHU310	B	2	Huskisson	Pathway	682	Good condition
Voyager Park	BHU400	B	2	Huskisson	Memorial	1257	Good condition
					Pathway		
					Benches		
					Playground		
White Sands Park	BHU593	B	1	Huskisson	Barbecues	Not Known	Excellent condition
					Pathway		
					Picnic tables		
					Benches		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

					Playground		
Winnima Lane Reserve	BHU420	B	4	Huskisson		8092	Fair condition
Hyams Beach Boatramp	BHY521	B	2	Hyams Beach	Pathway	33319	Good condition
					Bench		
Hyams Beach Foreshore CROWN	BHY607	B	2	Hyams Beach	Barbecues	41700	Good condition
					Picnic tables		
					Benches		
					Shelter		
					Playground		
Bendeela Road Reserve	NKV158	N	3	Kangaroo Valley		5988	Good condition
Broughton Street (Kangaroo Valley tennis court)	NKV026	N	10	Kangaroo Valley	Barbecues	10400	Fair condition
					Benches		
					Tennis clubhouse		
					Tennis shelter		
					Tennis courts		
Kangaroo Valley 1	NKV029	N	5	Kangaroo Valley		6624	Fair condition
Kangaroo Valley BMX	NKV028	N	3	Kangaroo Valley		Not Known	Good condition
Kangaroo Valley Showground Pony Club Grounds (Carpark)	NKV031	N	6	Kangaroo Valley	Minor infrastructure	20000	Good condition
Kangaroo Valley Soldiers Memorial	NKV030	N	6	Kangaroo Valley	Memorial	73	Good condition
Kangaroo Valley Tourist Park (Hampden Bridge/Car Park)	NKV145	N	6	Kangaroo Valley	Memorial	18200	Good condition
					Pathway		
					Picnic tables		
					Viewing Platform		
Moss Vale Road Reserve (Kangaroo Valley Hall)	NKV143	N	4	Kangaroo Valley	Bench	557	Fair condition
					Pathway		
Moss Vale Road Reserve - Myrtle Creek (West Moss Vale Rd Reserve)	NKV024	N	4	Kangaroo Valley		15300	Fair condition
Moss Vale Road Reserve (Tea Rooms Reserve)	NKV028	N	4	Kangaroo Valley		7149	Fair condition
Riverside Park Kangaroo Valley	NKV200	N	6	Kangaroo Valley	Basketball court	2048	Good condition
					Barbecue		



Shoalhaven City Council  
Asset Management Plan – Park & Reserves

					Netball court		
					Pathway		
					Picnic table		
Kangaroo Valley Showground 'Osborne Park'	NKV142	N	3	Kangaroo Valley	Cattle judges shelter	Not Known	Good condition
					Chook Shed		
					Sport field		
					Kiosk		
					Cricket Pitch		
					Pathway		
					Picnic tables		
					Benches		
					Pavilion		
					Playground		
Kangaroo Valley Tourist Pk	38050	N	5	Kangaroo Valley	Barbecue		
					Pathway		
					Picnic tables		
					Viewing Platform		
Georges Avenue Reserve (Edward Ave Reserve)	SKP788	S	3	Kings Point		3559	Good condition
North Foreshore Reserve (Harold St and Parkland St Reserve)	SKP859	S	3	Kings Point		18551	Good condition
South Foreshore Reserve	SKP860	S	6	Kings Point	Pathway	38899	Good condition
Brace Cl Reserve	SKI877	S	3	Kioloa		2861	Good condition
Brace/Northwood Reserve	SKI712	S	3	Kioloa		341	Good condition
Forest Road Reserve.	SKI876	S	5	Kioloa	Minor infrastructure	20120	Fair condition
Glassford Crescent Reserve (Path)	SKI711	S	3	Kioloa		342	Good condition
Golden Beaches Dr	SKI876/713	S	3	Kioloa		1009	Good condition
Hapgood Close Reserve	SKI875	S	3	Kioloa		501	Good condition
Kioloa Boat Ramp Reserve	SKI905	S	6	Kioloa	Barbecue	Not Known	Good condition

Shoalhaven City Council  
Asset Management Plan – Park & Reserves

					Pathway		
					Picnic tables		
Kioloa Sporting Complex	SKI909	S	S2	Kioloa	Basketball court	Not Known	Good condition
					Clubhouse		
					Sport field		
					Cricket Practice Nets		
					Playground		
					Sporting amenities		
					Barbecue		
					Bench		
					Picnic tables		
					Tennis shelter		
					Tennis courts		
Merry Street Reserve (Road Verge)	SKI710	S	3	Kioloa		200	Good condition
Panamuna Place Reserve	SKI879	S	6	Kioloa		4177	Good condition
Scerri Dr and Kioloa Boat Ramp	SKI703	S	6	Kioloa		131599	Good condition
Aney Street Boat Ramp	SUL914	S	6	Lake Conjola		Not Known	Good condition
Carroll Avenue Reserve (Lake Conjola)	SLC791	S	6	Lake Conjola	Picnic table	11028	Good condition
Conley Ave. Lake Conjola	SLC787	S	5	Lake Conjola	Minor infrastructure	35927	Fair condition
Edwin Ave Reserve (Lake Conjola Entrance Rd Res.)	SLC786	S	3	Lake Conjola	Minor infrastructure	2960	Good condition
Foreshore Garrad Way (Milham St Reserve)	SLC789	S	6	Lake Conjola	Picnic table	3069	Good condition
					Bench		
Hoylake Reserve (Valley Dr Reserve)	SLC784	S	6	Lake Conjola	Bench	27046	Good condition
					Playground		
Lake Conjola Boat Ramp Gardens (Lake Conjola Tourist Park)	SLC912	S	6	Lake Conjola	Barbecues	36830	Good condition
					Picnic tables		
					Benches		
					Viewing Platform		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

					Picnic shelter		
Lake Conjola Community Centre (Arthur Jones Reserve)	SLC004	S	5	Lake Conjola	Barbecues	Not Known	Fair condition
					Pathway		
					Picnic tables		
					Tennis shelter		
					Tennis clubhouse		
Tennis courts							
Lake Conjola Sportsfield	SLC961	S	S3	Lake Conjola	Sport field	Not Known	Fair condition
					Cricket Pitch		
Beach Street Reserve (Crown, Lake Tabourie Fire Station)	SLT917	S	6	Lake Tabourie	Barbecue	Not Known	Good condition
					Benches		
					Picnic tables		
Beach Street Reserve (Southern Area)	SLT868	S	6	Lake Tabourie	Barbecues	836	Good condition
					Picnic tables		
					Playground		
Dermal St Reserve	SLT861	S	3	Lake Tabourie	Minor infrastructure	9013	Good condition
Lake Tabourie Beach.	SLT917	S	5	Lake Tabourie		Not Known	Fair condition
Lake Tabourie Tourist Pk	38053	S	5	Lake Tabourie	Pathway	Not Known	Fair condition
					Picnic tables		
					Bench		
Lake Tabourie Wetland.	SLT861	S	5	Lake Tabourie		8658	Fair condition
Lulworth Cres Reserve (Portland Way East Reserve)	SLT865	S	3	Lake Tabourie		1234	Good condition
Portland Way Reserve	SLT866	S	3	Lake Tabourie	Bench	8125	Good condition
					Playground		
Princes Highway Reserve (Lake Tabourie)	SLT863	S	6	Lake Tabourie		162	Good condition
River Road Reserve (Saltwater Creek Reserve)	SLT862	S	3	Lake Tabourie	Pathway	18248	Good condition
					Picnic table		
					Bench		
					Playground		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Saltwater Creek Reserve (River Road Reserve)	SLT864	S	3	Lake Tabourie		7898	Good condition
Wairo Beach Reserve	SLT100	S	4	Lake Tabourie	Barbecue	Not Known	Fair condition
					Pathway		
					Picnic tables		
					Viewing Platform		
Manyana Beach Reserve (Inyadda Beach Reserve)	SCM779	S	6	Manyana	Benches	82948	Good condition
					Viewing Platform		
Yulunga Reserve (Manyana Hill)	SCM778	S	S3	Manyana	Basketball court	24571	Fair condition
					Clubhouse		
					Sport field		
					Pathway		
					Picnic tables		
					Benches		
					Playground		
					Tennis shelter		
					Tennis courts		
Carriage Way Milton	SMI966	S	4	Milton	Pathway	343	Fair condition
Frogs Holler Sports Ground	SMI882	S	S2	Milton	Sport fields	71160	Good condition
					Cricket Pitch		
					Pathway		
					Picnic tables		
					Sporting amenities		
Mick Ryan Reserve	SMI792	S	2	Milton	Barbecues	11834	Good condition
					Pathway		
					Picnic tables		
					Picnic shelter		
					Playground		
Milton Cultural Centre	38018	S	5	Milton	Pathway	Not Known	Fair condition
					Benches		
Milton Memorial Park	SMI793	S	2	Milton	Memorial	1216	Good condition

Shoalhaven City Council  
Asset Management Plan – Park & Reserves

					Pathway		
					Benches		
Milton Pony Club	SNW946	S	5	Milton		Not Known	Fair condition
Milton Pool Car Park	SMI965	S	6	Milton	Minor infrastructure	7688	Good condition
Milton Rainforest	38250	S	10	Milton	Bridges	Not Known	Good condition
					Bench		
					Viewing Platform		
Milton Showground	SMI921	S	S2	Milton	Basketball stadium	40337	Good condition
					Croquet		
					Bus shelter		
					Cattle judges shelter		
					Dog training shelter		
					Sport field		
					Machinery shed		
					Cricket Pitch		
					Picnic tables		
					Benches		
					Shelter		
					Barbecue		
Milton Village Green Reserve	SMI885	S	6	Milton	Benches	Not Known	Good condition
					Pathway		
					Pergolas		
					Rotunda		
Myrtle Street Car Park	SMI884	S	6	Milton		806	Good condition
Milton tennis courts	SMI794	S		Milton	Tennis courts	2023	Good condition
					Sporting amenities		
					Pathway		
					Picnic table		
					Tennis shelter		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Anker Ave Reserve	SMM807	S	3	Mollymook	Minor infrastructure	12255	Good condition
Augusta Drive	SMM814	S	4	Mollymook		13265	Fair condition
Augusta Place APZ.	SMM814	S	5	Mollymook		1729	Fair condition
Bannister Headland Reserve	SMM808	S	6	Mollymook	Picnic tables	39825	Good condition
Carroll Avenue Reserve (Mollymook)	SMM812	S	3	Mollymook		1535	Good condition
Clissold Street Reserve No 1	SMM822	S	4	Mollymook		3464	Fair condition
Clissold Street Reserve No 2	SMM823	S	3	Mollymook		795	Good condition
Davies Street Reserve	SMM819	S	3	Mollymook		908	Good condition
Edith Twynam Reserve	SMM824	S	6	Mollymook	Pathway	23481	Good condition
					Picnic tables		
					Bench		
					Shelter		
Forrest Way Reserve	SMM810	S	4	Mollymook		5763	Fair condition
Hilltop Crescent Reserve	SMM816	S	4	Mollymook		1692	Fair condition
Huntingdale Drive	SMM502	S	3	Mollymook		2107	Good condition
Ingold Avenue	SMM818	S	4	Mollymook		661	Fair condition
Latta Street Reserve	SMM811	S	3	Mollymook		1477	Good condition
Lockhart Avenue Reserve	SMM813	S	3	Mollymook		1678	Good condition
Milton Pony Club/Oxley Cres.	SMM810	S	5	Mollymook	Clubhouse	24476	Fair condition
Mison Circuit	SMM833	S	5	Mollymook		Not Known	Fair condition
Mison Court Reserve	SMM831	S	3	Mollymook	Bench	18578	Good condition
Mitchell Pde Reserve	SMM809	S	6	Mollymook	Benches	45685	Good condition
					Picnic tables		
Mollymook Beach Reserve	SMM922	S	2	Mollymook	Barbecues	Not Known	Good condition
					Pathway		
					Benches		
					Picnic tables		
					Outdoor Gym		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

					Playground		
Mollymook Golf Club	SMM826	S	6	Mollymook		6121	Good condition
Mollymook Oval (Bill Andriske Mollymook Oval)	SMM804	S	S1	Mollymook	Bridge	67952	Excellent condition
					Benches		
					Shelters		
					Picnic table		
					Shed		
					Sporting amenities		
					Ticket booth		
					Tiered seatings		
Mollymook Surf Club (Mollymook Beach Reserve)	SMM817	S	1	Mollymook		467	Excellent condition
Ocean St Reserve (Southern)	SMM851	S	3	Mollymook		14313	Good condition
Ocean St. Reserve Mollymook.	SMM852	S	5	Mollymook		Part of Ocean St Reserve	Fair condition
Pengana Cres Reserve water tower	SMM820	S	4	Mollymook		3330	Fair condition
Princes Highway Reserve	SMM821	S	6	Mollymook	Pathway	1508	Good condition
Settlers Way Dead End	SMM505	S	4	Mollymook		3304	Fair condition
Settlers Way East	SMM924	S	3	Mollymook		38909	Good condition
Settlers Way West	SMM506	S	4	Mollymook		727	Fair condition
Springfield Drive Reserve (Princes Highway Res)	SMM605	S	4	Mollymook		7135	Fair condition
Tallwood Ave Reserve	SMM805	S	3	Mollymook		3212	Good condition
Treetops Reserve	SMM806	S	3	Mollymook	Benches	1080	Good condition
Woodglenn Cres Reserve	SMM815	S	3	Mollymook	Minor infrastructure	4751	Good condition
Myola Beach Reserve	CCB362	B	4	Myola		Not Known	Fair condition
Myola Boat Ramp Reserve	CMY403	B	4	Myola		Not Known	Fair condition
Myola Firebreaks.	CCA362	B	5	Myola		Not Known	Fair condition
Aquarius Ave Reserve	SNW799	S	3	Narrawallee		8538	Good condition
Gerrard Reserve (Leo Drive Reserve (North))	SNW800	S	4	Narrawallee		658158	Fair condition
Jones Ave (Bannister Head Rd Reserve)	SNW803	S	6	Narrawallee	Minor infrastructure	17520	Good condition

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Leo Drive Reserve (Middle)	SNW975	S	4	Narrawallee	Minor infrastructure	5806	Fair condition
					Playground		
Leo Drive Reserve (South)	SNW798	S	3	Narrawallee	Bench	5519	Good condition
					Playground		
Leo Drive Reserve Fire Hazard.	SNW800	S	5	Narrawallee		658158	Fair condition
Matron Porter Drive	982	S	10	Narrawallee	Pathway	Not Known	Fair condition
					Picnic tables		
					Playground		
Matron Porter Drive Reserve	SNW797	S	6	Narrawallee	Barbecues	54572	Good condition
					Pathway		
					Picnic tables		
					Benches		
					Playground		
Scorpio Grove Walkway - Narawallee	SNW606	S	3	Narawallee		347	Good condition
Seaspray Reserve Narrawallee.	SNW796	S	5	Narrawallee	Pathway	3864	Fair condition
Surfers Ave Reserve	SNW801	S	6	Narrawallee	Picnic table	6394	Good condition
Zodiac Reserve	SNW970	S	4	Narrawallee	Pathway	7540	Fair condition
Bernie Regan Sporting Complex	NNN166	N	S1	North Nowra	Canteen Storage Shed	228308	Excellent condition
					Sport fields		
					Hockey Field		
					Cricket Pitch		
					Tennis court		
Carolie Close Reserve	NNN164	N	4	North Nowra		438	Fair condition
Clarke Reserve (Ilinga Ave Reserve)	NNN078	N	3	North Nowra		2034	Good condition
Crest Park	NNN129	N	3	North Nowra	Picnic table	1770	Good condition
					Playground		



*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Devlin Ave Reserve	NNN070	N	3	North Nowra	Minor infrastructure Playground	3233	Good condition
Drexel Oval Nth Nowra	NNN061	N	S2	North Nowra	Sport field Cricket Pitch Bench Playground Sporting amenities	44744	Good condition
Golden Cane	NNN089	N	3	North Nowra		5431	Good condition
Gordon Cook Apex Park	NNN063	N	3	North Nowra	Minor infrastructure Sporting amenities	13461	Good condition
Greys Beach	NNN147	N	2	North Nowra	Picnic tables	8728	Good condition
Joe Hyam Reserve	NNN066	N	3	North Nowra	Picnic tables Playground	23681	Good condition
Lee Park	NNN079	N	3	North Nowra		3787	Good condition
Mahogany Creek Reserve (Page Ave Preschool)	NNN074	N	6	North Nowra		Part of West Creek Reserve	Good condition
Mahogany Creek Reserve (West)	NNN074	N	3	North Nowra	Minor infrastructure	22631	Good condition
McMahons Road Reserve	NNN124	N	4	North Nowra	Minor infrastructure	3316	Fair condition
Murrel Place Reserve (Rockhill Rd Reserve)	NNN087	N	4	North Nowra		263786	Fair condition
Nellore Place Reserve	NNN069	N	3	North Nowra		1581	Good condition
Nth Nowra Rotary Park	NNN064	N	6	North Nowra		1236	Good condition
Peak Ave Reserve	NNN082	N	3	North Nowra		6604	Good condition
Peak- Coreen	NNN071	N	3	North Nowra		2289	Good condition
Philip Dr	NNN065	N	3	North Nowra		3991	Good condition
Sharman Park Nth Nowra	NNN062	N	S2	North Nowra	Sport field Tiered seatings Picnic table Sporting amenities	27542	Good condition
Sharpe Reserve	NNN067	N	3	North Nowra	Minor infrastructure	3812	Good condition

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

The Grotto	NNN086	N	4	North Nowra	Benches	153292	Fair condition
Walsh Cres Reserve NO.1	NNN068	N	4	North Nowra	Benches	8954	Fair condition
					Playground		
Abergeldie St (Torrison St Reserve)	CEN355	N	3	Nowra	Pathway	1840	Good condition
Albatross Rd Reserve (ND)	CNO345	N	3	Nowra	Minor infrastructure	10030	Good condition
Albert Street Reserve (Taranna Cres)	CNO344	N	4	Nowra		3986	Fair condition
Allowrie Crescent	CEN356	N	3	Nowra	Pathway	3267	Good condition
					Bench		
Antares Close Reserve	CEN429	N	4	Nowra		37456	Fair condition
Arunta Close	CEN362	N	3	Nowra	Playground	2319	Good condition
Bainbridge Cres Reserve	CNO339	N	3	Nowra	Minor infrastructure	735	Good condition
Bens Walk	CNO406	N	3	Nowra		Not Known	Good condition
Burton St (Burton St Reserve)	CEN349	N	3	Nowra		1609	Good condition
Clipper Rd Reserve	CEN351	N	3	Nowra	Bench	2129	Good condition
Cornelius Place Reserve (Weroona Place Reserve)	CEN352	N	3	Nowra	Minor infrastructure	3316	Good condition
Davis Park	CNO332	N	6	Nowra	Pathway	3773	Good condition
					Bench		
					Playground		
Dobbie Close	CNO396	N	3	Nowra		3121	Good condition
Dryden CI Reserve	CEN347	N	4	Nowra		956	Fair condition
East Nowra Drainage Reserve	CEN350	N	4	Nowra	Minor infrastructure	14276	Fair condition
Egans Lane Reserve	CNO615	N	6	Nowra		366	Good condition
Elyard Dr Reserve	CNO340	N	3	Nowra	Playground	2592	Good condition
Endeavour Park (NE)	CEN360	N	6	Nowra	Basketball hoop	18500	Good condition

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

					Pathway		
					Benches		
					Playground		
Graham St Rest Area	CNO330	N	2	Nowra	Benches	1787	Good condition
Harry Sawkins Park	CNO329	N	2	Nowra	Bridges	49224	Good condition
					Barbecues		
					Half tennis court		
					Picnic tables		
					Benches		
					Pathway		
					Pergola		
					Playground		
Skate Park							
Outdoor stage							
Hyam Street Reserve	CNO344	N	4	Nowra		3986	Fair condition
Junction Court - Landscaping	1846	N	10	Nowra	Minor infrastructure	Not Known	Fair condition
Junction St - Main Street - Landscaping	1846M	N	8	Nowra	Skate Park	Not Known	Good condition
					Minor infrastructure		
Kameruka Crescent Reserve (Gascoyne Way Reserve)	CEN428	N	3	Nowra		874	Good condition
Lyrebird Sports Park	CEN346	N	S1	Nowra	Bridges	88742	Excellent condition
					Cricket Pitch		
					Sport Fields		
					Pathway		
					Benches		
					Sporting amenities		
Maclean St Closure	CNO420	N	3	Nowra	Bench	Not Known	Good condition
					Playground		
Marg Kerwick Pk (Berry St Reserve)	CNO520	N	3	Nowra		4256	Good condition
Margaret Kerwick Park	CNO341	N	3	Nowra	Minor infrastructure	12952	Good condition

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Marriott Park	CNO331	N	2	Nowra	Barbecues	31043	Good condition
					Memorial		
					Pathway		
					Picnic tables		
					Benches		
					Bridges		
					Pergola		
					Playground		
					Viewing Platform		
Mavromattes Reserve (formerly River Road)	CNO408	N	2	Nowra	Benches	16100	Good condition
					Viewing Platform		
Moorehouse Park (Crown) includes CNO 506	CNO378	N	2	Nowra	Pathway	2985	Good condition
Moorehouse Park (SCC)	CNO378	N	2	Nowra	Benches	Part of Moorehouse Park crown	Good condition
					Viewing Moorhouse		
					Viewing Platform		
Moss St / Campbell Place Reserve	CNO336	N	3	Nowra		16298	Good condition
Netball Courts Nowra and Surrounds	CEN354	N	S2	Nowra	Clubhouse	33419	Good condition
					Pathway		
					Benches		
					Netball courts		
					Shed		
Nowra Admin and SEC (Harry Sawkins Park)	CNO329	N	2	Nowra		Part of Harry Sawkins Park	Good condition
Nowra Cemetery Reserve	CNO421	N	6	Nowra		Not Known	Good condition
Nowra Creek Reserve	CNO407	N	3	Nowra		Not Known	Good condition
Nowra Creek Reserve (Scout Hall)	CNO409	N	4	Nowra		Not Known	Fair condition
Nowra Library	CNO326	N	2	Nowra		2620	Good condition
Nowra Olympic Pool - Footpath	CNO334	N	6	Nowra		27766	Good condition

Shoalhaven City Council  
Asset Management Plan – Park & Reserves

Nowra Park (Recreation Ground Surrounds)	CNO410	N	6	Nowra	Cricket Pitch	27701	Good condition
					Benches		
					Playground		
Nowra Showgrounds	CNO405	N	S1	Nowra	Memorial gate	Not Known	Excellent condition
					Sport Fields		
					Clubroom		
					Committe Rooms		
					Croquet Clubroom		
					Barbecues		
					Cricket Pitch		
					Benches		
					Picnic Tables		
					Pavillion		
					Sporting amenities		
					Shed		
					Horse Stables		
Youth club hall							
Wood Chop shelter							
Nowra Showgrounds Repairs	CNO405SP	N	5	Nowra		Part of Nowra Showground	Fair condition
Nowra Skate Park (Junction St Reserve)	CNO337	N	2	Nowra		59900	Good condition
Nowra Tech High and Surrounds	CNO500	N	S1	Nowra		Not Known	Excellent condition
Paringa Park (Scenic Dr Reserve/ Nowra Park)	CNO410	N	2	Nowra	Barbecues	Part of Nowra Park	Good condition
					Picnic tables		
Pioneer PI Reserve (Mclean St Reserve)	CNO342	N	3	Nowra		2276	Good condition
Purdie Cres Reserve	CNO343	N	3	Nowra	Minor infrastructure	2478	Good condition
Quota Park	CNO411	N	3	Nowra		Not Known	Good condition
Ratcliffe Park and Surrounds	CNO361	N	S3	Nowra	Sport Fields	Not Known	Fair condition
					Pathway		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

					Playground		
Rauch Park	CNO261	N	6	Nowra	Minor infrastructure	901	Good condition
Recreation Ground Nowra (Nowra Park)	CNO404	N	S3	Nowra		60600	Fair condition
Salisbury Dr Reserve	CEN348	N	3	Nowra	Minor infrastructure	10846	Good condition
Scenic Dr	CNO406	N	10	Nowra	Benches	Not Known	Good condition
					Playground		
Showground Croquet Greens	CNO405b	N	S1	Nowra		Part of Nowra Showground	Excellent condition
Stimson Park	CNO333	N	3	Nowra		3849	Good condition
Stockard Area (Nowra Showground)	CNO403	N	6	Nowra		39193	Good condition
wallace Park	CEN206	N	4	Nowra		14375	Fair condition
West St Oval Nowra	CNO413	N	S1	Nowra	Clubhouse	Not Known	Excellent condition
					Change Room		
					Shed		
					Barbecues		
					Cricket Pitch		
					Benches		
					Sporting amenities		
Pam Weiss Village Green	BEB592	B	3	Old Erowal	Barbecues	4126	Good condition
					Pathway		
					Benches		
					Tennis shelter		
					Tennis clubhouse		
					Tennis courts		
Bernie Davis Reserve	BEB583	B	3	Old Erowal Bay	Picnic Table	804	Good condition
Caufield Pde Reserve	BEB500	B	4	Old Erowal Bay		1511	Fair condition
Elsie Young Memorial Park (The Coronado Reserve)	BEB523	B	3	Old Erowal Bay	Bench	5943	Good condition
Erowal Bay Fire Brigade Park	BEB584	B	3	Old Erowal Bay	Memorial	2278	Good condition
					Pathway		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

					Picnic table		
					Benches		
Kallaroo Waterfront (Honeymoon Creek) Reserve	BEB591	B	6	Old Erowal Bay		Not Known	Good condition
Keogh Reserve (Prentice Avenue Reserve)	BEB525	B	6	Old Erowal Bay	Picnic tables	56123	Good condition
Pillapai Ring Reserve	BEB582	B	4	Old Erowal Bay	Picnic tables	7078	Fair condition
The Wool Road Reserve (McGibbon)	BEB600RFS	B	5	Old Erowal Bay	Minor infrastructure	9220	Fair condition
Orama Crescent Walkway	CCU280WW	B	7	Orient Point	Pathway	Not Known	Fair condition
					Picnic Tables		
					Playground		
Orient Pt Wetland and Road Reserve	CCU281	B	4	Orient Point	Minor infrastructure	51526	Fair condition
Belpitt Place Reserve (Lot 95)	BSP627	B	4	Sanctuary Point	Pathway	492	Fair condition
Boobook Reserve	BSP552	B	4	Sanctuary Point	Bridge	8696	Fair condition
Capeland Avenue	BSP501	B	4	Sanctuary Point	Pathway	481	Fair condition
Clifton Park	BSP567	B	3	Sanctuary Point	Benches	37306	Good condition
					Playground		
Cockrow Creek Reserve	BSP448	B	4	Sanctuary Point	Minor infrastructure	41984	Fair condition
Edmund Street Reserve No 1 (40)	BSP554	B	4	Sanctuary Point		3236	Fair condition
Edmund Street Reserve No 2	BSP555	B	4	Sanctuary Point		7077	Fair condition
Francis Ryan Car Park - Landscaping	XFRANCIS	B	CP	Sanctuary Point	Pathway	Not Known	Good condition
					Picnic table		
					Benches		
Francis Ryan Oval Sanct Pt	BSP556	B	S1	Sanctuary Point	Basketball court	Not Known	Excellent condition
					Sport fields		
					Cricket Pitch		
					Benches		
					Shelters		
					Picnic table		
					Skate Park		
Sporting amenities							

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

John Williams Crown Reserve	BSP612	B	2	Sanctuary Point		Not Known	Good condition
John Williams Reserve	BSP557	B	2	Sanctuary Point	Bridge	3992	Good condition
					Picnic tables		
					Playground		
Kenneth Avenue Walkway	BSP628	B	4	Sanctuary Point	Pathway	367	Fair condition
Kerry St Drainage Reserve & GPT	BSP444	B	4	Sanctuary Point		1394	Fair condition
Links Avenue Reserve	BSP575	B	4	Sanctuary Point	Minor infrastructure	13324	Fair condition
McLean Point Road Reserve (Kerry St Reserve)	BSP570	B	4	Sanctuary Point		2349	Fair condition
Paino Crescent Reserve	BSP573	B	4	Sanctuary Point	Pathway	3203	Fair condition
Paradise Beach Reserve	BSP564	B	2	Sanctuary Point	Barbecues	3239	Good condition
					Picnic tables		
					Bench		
					Shelter		
					Playground		
Paul Bland Reserve	BSP563	B	3	Sanctuary Point	Bench	3906	Good condition
Ray Brooks Reserve (Palm Beach/ John Williams Crown Reserve)	BSP612P	B	2	Sanctuary Point	Barbecues	Not Known	Good condition
					Pathway		
					Picnic tables		
					Benches		
					Playground		
Sanctuary Point - Cessna Play Equipment	BSP551	B	3	Sanctuary Point	Picnic table	14375	Good condition
					Bench		
					Playground		
Sanctuary Point Crown Forshore	BSP553C	B	4	Sanctuary Point		Not Known	Fair condition
Sanctuary Point Drainage Reserve	BSP446	B	4	Sanctuary Point		560	Fair condition
Sanctuary Point Foreshore	BSP612BT	B	2	Sanctuary Point		Not Known	Good condition
Sanctuary Point Foreshore Reserve	BSP553	B	4	Sanctuary Point	Minor infrastructure	22767	Fair condition
Sanctuary Point Reserve (Kerry St Drainage Reserve)	BSP569	B	4	Sanctuary Point		503	Fair condition
Sanctuary Point Sports Field and Surrounds	BSP571	B	S2	Sanctuary Point	Sport fields	77802	Good condition



*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

					Cricket nets		
					Pathway		
					Benches		
					Sporting amenities		
					Tiered seatings		
					Netball courts		
					Playground		
The Wool Rd Reserve Sanctuary Pt	BSP629	B	4	Sanctuary Point	Minor infrastructure	25197	Fair condition
The Wool Road Reserve ( Vost)	BSB572RFS	B	5	Sanctuary Point		Not Known	Fair condition
The Wool Road Reserve (Roulstone)	BSB448RFS	B	5	Sanctuary Point		Not Known	Fair condition
Vost Dr Play Equipment (Kerry St Reserve)	BSP574	B	3	Sanctuary Point		2349	Good condition
Vost Dr Reserve (The Wool Rd Reserve)	BSP572	B	4	Sanctuary Point	Bench	16347	Fair condition
					Playground		
Walmer Avenue Reserve No 1 (L97)	BSP561	B	4	Sanctuary Point	Minor infrastructure	2842	Fair condition
Walmer Avenue Reserve No 2 (McLean St Drainage Reserve)	BSP568	B	4	Sanctuary Point	Minor infrastructure	2345	Fair condition
Wool Lane Sports Fields and Surrounds	BSP565	B	S2	Sanctuary Point		45524	Good condition
Yellow Belly Glider Reserve	BSP500	B	3	Sanctuary Point	Benches	14099	Good condition
					Pathway		
Aspinall St	NSH302	N	3	Shoalhaven Heads	Minor infrastructure	588	Good condition
Curtis Reserve & Celia Hall	NSH035	N	6	Shoalhaven Heads	Barbecue	12373	Good condition
					Picnic tables		
					Bench		
					Playground		
Golden Ave Reserve	NSH044	N	3	Shoalhaven Heads	Minor infrastructure	4729	Good condition
Gumley Res. Landscape (End of River Road-Shorebirds)	NSH149L	N	2	Shoalhaven Heads	Basketball court	355	Good condition
					Cricket Pitch		
					Barbecue		
					Pathways		

Shoalhaven City Council  
Asset Management Plan – Park & Reserves

					Picnic tables		
					Playground		
					Skate Park		
Hay Ave Reserve	NSH153	N	6	Shoalhaven Heads	Fish cleaning table and basin	Not Known	Good condition
					Boat Ramp		
					Benches		
					Picnic tables		
Jerry Bailey Oval	NSH149L	N	S3	Shoalhaven Heads	Picnic tables	Not Known	Fair condition
					Benches		
					Boardwalk		
					Sport fields		
Oval Drive (Pepper Reserve)	NSH034	N	3	Shoalhaven Heads	Pathway	20996	Good condition
					Bench		
					Playground		
River Rd Caravan Park & Toilet Block	NSH170	N	2	Shoalhaven Heads		Not Known	Good condition
River Rd Reserve (Jerry Bailey Reserve - Shoalhaven Heads Wharf)	NSH200	N	2	Shoalhaven Heads	Sport fields	Not Known	Good condition
					Pathway		
					Picnic tables		
					Benches		
					Barbecue		
					Bridge		
					Picnic shelters		
Scott Street Reserve	NSH201	N	4	Shoalhaven Heads		686	Fair condition
Shoalhaven Head Surf Club	NSH149a	N	2	Shoalhaven Heads	Barbecue	Not Known	Good condition
					Benches		
					Picnic tables		
					Shade structure		
					Viewing Platform		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Shoalhaven Heads Memorial Park (The Triangle)	NSH155	N	6	Shoalhaven Heads	Memorial	2585	Good condition
					Picnic tables		
					Benches		
Shoalhaven Heads Rd	1378R	N	10	Shoalhaven Heads	Basketball court	Not Known	Fair condition
					Pathway		
					Bench		
Shoalhaven Heads Tennis Courts & Community Centre	NSH041	N	5	Shoalhaven Heads	Tennis clubhouse	10344	Fair condition
					Barbecue		
					Picnic table		
					Bench		
					Tennis courts		
Vic Zealand Surrounds S'hoalhaven Heads	NSH036	N	4	Shoalhaven Heads	Barbecue shelter	67457	Fair condition
					Cricket Pitch		
					Sport fields		
					Benches		
					Sporting amenities		
Apex Park Flinders Rd Sth Nowra	CSN416	N	6	South Nowra	Minor infrastructure	138500	Good condition
Ison Park	CSN369	N	S1	South Nowra	Sporting amenities	207102	Excellent condition
					Clubhouse		
					Benches		
					Cricket Pitch		
					Benches		
					Tiered seatings		
					Shelters		
					Sport fields		
Rugby Park South Nowra	CSN416	N	S1	South Nowra	Rugby Clubhouse	97900	Excellent condition
					Barbecue shelter		
					Barbecue		
					Pathways		
					Benches		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

					Shelter shed		
					Tiered seatings		
					Sport fields		
Anson Street Reserve No 1	BSG551	B	4	St Georges Basin	Pathway	301	Fair condition
Anson Street Reserve No 2	BSG552	B	4	St Georges Basin	Pathway	3221	Fair condition
Anson Street Reserve No 3	BSG553	B	4	St Georges Basin		320	Fair condition
Anson Street Reserve No 4	BSG554	B	3	St Georges Basin		1392	Good condition
Blacket Park	BSG530	B	2	St Georges Basin	Barbecue	11809	Good condition
					Picnic tables		
					Shelter		
					Playground		
Blue Wren Retreat Reserve (Tilbrook Ave Reserve)	BSG538	B	4	St Georges Basin	Minor infrastructure	5419	Fair condition
Carver Court Reserve No 1	BSG540	B	4	St Georges Basin	Pathway	7060	Fair condition
Carver Court Reserve Walkway	BSG555	B	4	St Georges Basin	Pathway	507	Fair condition
Claylands Dr Reserve	BSG543	B	4	St Georges Basin	Minor infrastructure	194	Fair condition
Durnford Place Access Way	BSG541	B	4	St Georges Basin	Pathway	455	Fair condition
Durnford Place Reserve	BSG542	B	4	St Georges Basin		316	Fair condition
Firetail Creek reserve.	BSG401RFS	B	5	St Georges Basin	Minor infrastructure	1335	Fair condition
Firman Glen Reserve (Lot 164 S Georges Basin)	BSG529	B	4	St Georges Basin	Minor infrastructure	1104	Fair condition
Grass tree reserve (cnr St Georges rd)	BSG534	B		St Georges Basin	Pathway	1010	Fair condition
					Bench		
Hewitt Avenue Reserve.	BSG420RFS	B	5	St Georges Basin		23320	Fair condition
Island Point Road Reserve	BSG537	B	6	St Georges Basin		276	Good condition
Kingfisher Reserve	BSG544	B	2	St Georges Basin	Barbecue	3097	Good condition
					Picnic tables		
					Bench		
					Fish cleaning table and basin		
Loralyn Ave Reserve	BSG538	B	3	St Georges Basin	Barbecue	20880	Good condition
					Picnic tables		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Loralyn Avenue West	BSG401	B	4	St Georges Basin		Part of Firetail Creek Reserve	Fair condition
Nulla Place Reserve	BSG549	B	4	St Georges Basin	Pathway	13887	Fair condition
Pangari Reserve	BSG531	B	3	St Georges Basin	Playground	6112	Good condition
Pats Bay	BSG520	B	4	St Georges Basin	Bench	Not Known	Fair condition
St. Georges Basin Sports Fields and Surrounds	BSG611	B	S1	St Georges Basin	Clubhouse	198300	Excellent condition
					Sport fields		
					Benches		
					Sporting amenities		
					Storage shed		
The Basin Rd Reserve (The Grange Reserve)	BSG532	B	3	St Georges Basin	Benches	3360	Good condition
The Wool Road Reserve	BSG612	B	4	St Georges Basin		6112	Fair condition
Wahroonga Close Reserve	BSG412	B	4	St Georges Basin	Pathway	196	Fair condition
Alamein Road Reserve (Edgewater Ave Reserve)	BSU750	S	3	Sussex Inlet	Bench	10771	Good condition
Avocet St Reserve	BSU756	S	4	Sussex Inlet		630	Fair condition
Boat Harbour Reserve (Drainage Reserve & Road)	BSU766	S	4	Sussex Inlet		556	Fair condition
Cater Cres Island Reserve	BSU700	S	4	Sussex Inlet		1904	Fair condition
Cater Crescent Reserve No 1 (L31)	BSU753	S	4	Sussex Inlet		557	Fair condition
Cater Crescent Reserve No 2 (71)	BSU754	S	4	Sussex Inlet	Picnic tables	3170	Fair condition
					Benches		
Cater Crescent Reserve No 3 (L7)	BSU755	S	4	Sussex Inlet		1972	Fair condition
Corang Ave Reserve	BSU759	S	6	Sussex Inlet		267	Good condition
Corang Lane Reserve	BSU760	S	4	Sussex Inlet		767	Fair condition
Finkernagel Reserve	BSU776	S	S3	Sussex Inlet	Sport fields	35841	Fair condition
					Benches		
					Playground		
					Sporting amenities		
					Storage shed		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Flood St Reserve	BSU758	S	3	Sussex Inlet		5219	Good condition
Harbord Street Reserve (Part Denoon Reserve)	BSU752	S	6	Sussex Inlet	Barbecue	2145	Good condition
					Picnic tables		
Jacob Ellmoos Reserve	BSU761	S	2	Sussex Inlet	Pathway	13744	Good condition
					Picnic tables		
					Benches		
					Shade structure		
					Playground		
Jacobs Dr Reserve	BSU770	S	6	Sussex Inlet	Bench	2001	Good condition
Lagoon Drive Reserve (Sussex Inlet Drainage Reserve)	BSU768	S	6	Sussex Inlet	Minor infrastructure	5857	Good condition
Lakehaven Drive (Bowling Club Reserve)	BSU966	S	4	Sussex Inlet	Picnic tables	25487	Fair condition
					Benches		
Lions Club Park (Sussex Inlet Lions Park)	BSU881	S	2	Sussex Inlet	Pathway	11400	Good condition
					Pergola		
					Benches		
Lions Park North	BSU881N	S	6	Sussex Inlet	Barbecues	Part of Lions Club Park	Good condition
					Pathways		
					Picnic tables		
					Benches		
					Shelters		
					Picnic shelter		
Playground							
Murre St Reserve (Avocet St Reserve)	BSU757	S	3	Sussex Inlet	Minor infrastructure	677	Good condition
Nth. River Rd. Sussex Inlet (Pump St Reserve)	BSU765	S	4	Sussex Inlet		929	Fair condition
Paradise Crescent Reserve	BSU767	S	6	Sussex Inlet	Minor infrastructure	1517	Good condition
River Road Reserve (Sussex Inlet)	BSU763	S	4	Sussex Inlet	Benches	2712	Fair condition
					Picnic shelters		
					Barbecues		
					Picnic tables		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Shelley Grove Reserve	BSU772	S	3	Sussex Inlet	Playground	4716	Good condition
Suncrest Avenue Reserve (North Sussex Inlet Reserve)	BSU771	S	4	Sussex Inlet		23891	Fair condition
Sussex Inlet Waterfront Reserve (Ellmoos Reserve)	BSU924	S	2	Sussex Inlet		Not Known	Good condition
Sussex Lions Peace Park	BSU909	S	6	Sussex Inlet		905	Good condition
Sussex Road Reserve	BSU931	S	6	Sussex Inlet	Bench	3005	Good condition
Thompson Street (Aquatic Centre)	BSU929	S	10	Sussex Inlet	Minor infrastructure Playground	Not Known	Fair condition
Thompson Street Sporting Complex	BSU927	S	S2	Sussex Inlet	Sport fields	60600	Good condition
					Machinery Shed		
					Barbecues		
					Cricket Pitch		
					Netball courts		
					Picnic tables		
					Pathway		
					Benches		
					Playground		
					Skate Park		
					Sporting amenities		
					Tennis courts		
Clubhouse							
Tennis shelter							
Thora Street Reserve (Part Denoon Reserve)	BSU751	S	6	Sussex Inlet	Benches	3188	Good condition
Tradewinds Ave Reserve	BSU769	S	4	Sussex Inlet		3597	Fair condition
Trevenar Reserve (Cormorant Ave)	BSU883	S	3	Sussex Inlet	Bench	2150	Good condition
William Mulligan Reserve (Seacrest Reserve)	BSU934	S	6	Sussex Inlet	Bench	25900	Good condition
Wilson Corliss Reserve (Ellmoos Avenue Reserve)	BSU762	S	4	Sussex Inlet	Pathway	17814	Fair condition
Ski Beach (Dyball Reserve)	BSW968a	S	6	Swanhaven	Picnic tables	Part of Swanhaven Reserve	Good condition

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Swanhaven Reserve (Dyball Reserve)	BSW968	S	6	Swanhaven	Bridge	Not Known	Good condition
					Barbecue		
					Picnic tables		
					Benches		
					Playground		
Terara Road Reserve	CNO338	N	6	Terara	Minor infrastructure	2658	Good condition
Bottle Brush Ave Reserve	BTO585	B	4	Tomerong		1467	Fair condition
Bottlebrush Avenue Reserve.	BTO585RFS	B	5	Tomerong		Part of Bottlebrush Ave Reserve	Fair condition
Church St to Connelly Cl	2204	B	10	Tomerong	Picnic tables	Not Known	Fair condition
					Playground		
					Tennis courts		
Connolly St	BTO617	B	4	Tomerong	Picnic table	5921	Fair condition
Tomerong Reserve (Bottlebrush Ave Reserve)	BTO585	B	6	Tomerong		Part of Bottlebrush Ave Reserve	Good condition
Belowra Close	SUL837	S	3	Ulladulla		683	Good condition
Bendalla Place Reserve (Walpole Ave Reserve)	SUL960	S	3	Ulladulla		3652	Good condition
BMX Track (Parson St Reserve)	SUL833	S	6	Ulladulla		5302	Good condition
Brodie Park (North Head)	SUL944	S	4	Ulladulla		Not Known	Fair condition
Camden Street Council Block (Ulladulla Sports Park)	SUL950	S	5	Ulladulla	Sport fields	26700	Fair condition
					Cricket Pitch		
					Sporting amenities		
					Netball courts		
					Skate Park		
					Pathway		
					Barbecue		
Benches							
Cassia Creek - Ulladulla	SUL839	S	4	Ulladulla		11081	Fair condition



*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Conjola Street Reserve	SUL941	S	6	Ulladulla		Not Known	Good condition
Deering Street (South Head)	SUL936RFS	S	5	Ulladulla		21200	Fair condition
Geoffrey Street Reserve	SUL946	S	4	Ulladulla	Bridges	Not Known	Fair condition
					Benches		
					Picnic table		
Green St Reserve	SUL938	S	2	Ulladulla	Benches	Not Known	Good condition
					Playground		
Leigh Crescent	SUL836	S	3	Ulladulla		24660	Good condition
Lighthouse Oval	SUL936	S	S2	Ulladulla	Sport fields	59300	Good condition
					Benches		
					Viewing Platform		
					Sporting amenities		
					Storage shed		
Millards Creek Cycleway	SUL841CW	S	6	Ulladulla	Footbridge	3807	Good condition
					Benches		
Morris/Vilant Streets - Ulladulla	SUL842	S	4	Ulladulla		4085	Fair condition
Narrawallee Beach Reserve	SUL947	S	6	Ulladulla		Not Known	Good condition
North Head Ulladulla.	SUL944RFS	S	5	Ulladulla		Not Known	Fair condition
Parson Street (east)	1906RFS	S	5	Ulladulla	Picnic table	Not Known	Fair condition
					Bench		
					Playground		
R.V.C.P. (Wason St) Reserve	SUL958	S	6	Ulladulla		Not Known	Good condition
Racecourse Beach Car Park (South Pacific Cres Res)	SUL831	S	6	Ulladulla	Playground	24303	Good condition
Rennies Beach Steps	SUL832	S	4	Ulladulla		41628	Fair condition
Royal Mantle Drive Reserve	SUL977	S	4	Ulladulla	Bridge	3578	Fair condition
					Minor infrastructure		
Shipton Crescent Reserve	SMM825	S	4	Ulladulla		289	Fair condition
South Boat Ramp (Ulladulla Harbour Walkway)	SUL845	S	6	Ulladulla	Bench	2179	Good condition
					Picnic tables		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

South Pacific Cres - Walkways	SUL843	S	4	Ulladulla	Bridge	4385	Fair condition
					Pathway		
					Viewing Platform		
					Picnic table		
Timbs St Reserve	SUL835	S	3	Ulladulla	Bridges	6462	Good condition
					Benches		
					Picnic table		
					Playground		
Ulladulla Civic Centre - Back Section	SUL943a	S	2	Ulladulla		10857	Good condition
Ulladulla Civic Centre - Front Section	SUL943	S	2	Ulladulla	Bench	10857	Good condition
					Memorial		
					Pathway		
Ulladulla harbour Reserve	SUL939	S	2	Ulladulla	Benches	Not Known	Good condition
					Path		
					Barbecue		
					Picnic table		
					Viewing Platform		
Ulladulla Heritage Cemetery	SUL951	S	3	Ulladulla		Not Known	Good condition
Ulladulla Public school Reserve at rear.	SUL840	S	4	Ulladulla		6816	Fair condition
Ulladulla Rock Pool - Surrounds	SUL957	S	6	Ulladulla		4343	Good condition
Ulladulla Rotary Park	SUL940	S	2	Ulladulla	Barbecues	Not Known	Good condition
					Benches		
					Memorial		
					Viewing Platform		
					Pathway		
					Picnic shelters		
Playground							
Ulladulla Sporting Complex	SUL980	S	S1	Ulladulla	Playground	81100	Excellent condition
Ulladulla War Memorial-Kendal Cottage	SUL940a	S	5	Ulladulla		Not Known	Fair condition

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Village Drive Reserve	SUL838	S	3	Ulladulla		8167	Good condition
Village Drive South	SUL844	S	3	Ulladulla		8894	Good condition
Warden Street Reserve	SUL834	S	4	Ulladulla	Pathway	755	Fair condition
					Shade structure		
					Picnic tables		
					Tennis clubhouse		
					Tennis courts		
Seaside Paradise Estate Public Reserve	SUL976	S	3	Ulladulla		26390	Good condition
Ulladulla Sea Pool	SUL700	S	3	Ulladulla		Not Known	Good condition
Ulladulla Tourist Park	SUL952	S	6	Ulladulla		50600	Good condition
Wason Street - Landscaping	1648	S	10	Ulladulla	Picnic table	Not Known	
West Ulladulla Skate Park.	SUL950skp	S	S1	Ulladulla		Not Known	Excellent condition
West Ulladulla Sports Ground	SUL950	S	S3	Ulladulla		Not Known	Fair condition
Willinga CI Reserve	SUL830	S	3	Ulladulla	Playground	7101	Good condition
Albion Street Reserve	BVI506	B	4	Vincentia	Minor infrastructure	9417	Fair condition
Bay and Basin Cycleway Gardens	BVI623a	B	6	Vincentia	Cricket Pitch	Not Known	Good condition
					Benches		
Beach St / Elizabeth Dr Reserve (Beach St Reserve North)	BVI610	B	4	Vincentia		369	Fair condition
Beach Street Reserve (Beach St Reserve South)	BVI515	B	4	Vincentia	Minor infrastructure	287	Fair condition
Blenheim Beach Reserve	BVI503	B	2	Vincentia	Barbecues	18169	Good condition
					Pathway		
					Picnic tables		
					Viewing Platform		
					Playground		
Calder Close Reserve	BVI513	B	4	Vincentia		3243	Fair condition
Elizabeth Drive Reserve (south)	BVI623RFS	B	5	Vincentia		Not Known	Fair condition
Frederick St. Reserve/Waldergrave.	BVI514RFS	B	5	Vincentia		62216	Fair condition
Garlies Close Reserve	BVI516	B	4	Vincentia	Pathway	1735	Fair condition
Holden Street Reserve	BVI508	B	4	Vincentia	Minor infrastructure	31108	Fair condition

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Irwin Place Reserve	BVI511	B	4	Vincentia		690	Fair condition
Lively Street Reserve	BVI501	B	4	Vincentia		10027	Fair condition
Pacific City Reserve	BVI632	B	6	Vincentia		26289	Good condition
Plantation Point Reserve	BVI507	B	2	Vincentia	Barbecues	31828	Good condition
					Picnic tables		
					Picnic shelter		
					Playground		
Prowse Close Reserve	BVI518	B	4	Vincentia		1699	Fair condition
Saumarez Street Reserve	BVI509	B	4	Vincentia	Minor infrastructure	5189	Fair condition
Vincentia Boat Ramp	BVI512	B	6	Vincentia	Viewing Platform	2075	Good condition
					Picnic table		
					Bench		
Vincentia Foreshore Boatramp	BVI623	B	2	Vincentia	Pathway	Not Known	Good condition
					Benches		
Vincentia Mall - Landscaping	1887	B	10	Vincentia	Benches	Not Known	
Vincentia Oval and Surrounds	BVI631	B	S2	Vincentia	Sport fields	134600	Good condition
					Sporting amenities		
Vincentia Sports Ground	BVI519	B	4	Vincentia		13941	Fair condition
Violet Clark Reserve	BVI622	B	6	Vincentia	Pathway	6241	Good condition
					Picnic table		
					Bench		
					Playground		
Whitshed Place Reserve	BVI510	B	4	Vincentia		959	Fair condition
Woden Street Reserve	BVI502	B	4	Vincentia	Minor infrastructure	7502	Fair condition
Bottlebrush; Old Princess Highway Cul De Sac	202	B	10	Wandandian	Tennis courts	Not Known	Good condition
					Tennis shelter		
Wandandian Rest Area	BWA619	B	3	Wandandian	Barbecue	7746	Good condition
					Picnic tables		
					Benches		
					Playground		

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

Cavanagh Ln Reserve	CWN362	N	4	West Nowra		2503	Fair condition
Depot Farm Picnic Area	CWN426	N	6	West Nowra	Minor infrastructure	156700	Good condition
Gannett Rd, Nowra Hill	CWN447	N	3	West Nowra		2179	Good condition
Glenair Ave Reserve	CWN363	N	4	West Nowra	Minor infrastructure	552	Fair condition
Lightwood Dr West Nowra	914	N	10	West Nowra	Minor infrastructure	Not Known	
Lightwood ROW	CWN109	N	3	West Nowra		707	Good condition
Lydon Cres Reserve	CWN440	N	5	West Nowra		2032	Fair condition
Lydon Cres West Nowra (Racemosa Ave Reserve)	CWN364	N	4	West Nowra		2240	Fair condition
Maybush Way	CWN368	N	3	West Nowra	Minor infrastructure	160692	Good condition
Pemberly Drive Reserve	CWN110	N	4	West Nowra	Minor infrastructure	655	Fair condition
Racemosa Ave Reserve	CWN365	N	3	West Nowra	Playground	4620	Good condition
Rannoch Reserve	CWN361	N	3	West Nowra	Bench	5881	Good condition
					Playground		
Rouken Glen Reserve	CWN448	N	4	West Nowra		13636	Fair condition
Stringybark Road Reserve	CWN446	N	5	West Nowra	Minor infrastructure	957	Fair condition
Thompsons Point	CWN406	N	4	West Nowra	Minor infrastructure	307800	Fair condition
Timber Ridge Reserve	CWN443	N	4	West Nowra	Minor infrastructure	161723	Fair condition
Woollamia Boat Ramp	BWO604	B	2	Woollamia	Pathway	828	Good condition
					Picnic tables		
Woollamia Boat Ramp	BWO605	B	2	Woollamia	Pathway	Not Known	Good condition
					Picnic tables		
WOOLLAMIA FORESHORE (SCC)	BWO606	B	4	Woollamia		Not Known	Fair condition
Almond bark Reserve (Sofia Rd Reserve)	CCB369	N	4	Worrigeer	Minor infrastructure	1312	Fair condition
Andrew Crescent Reserve	CCB376	N	3	Worrigeer	Bench	7635	Good condition
					Playground		
Carrington Park Estate	CEN429CE	N	3	Worrigeer		37456	Good condition
Elderberry Avenue	CCB374	N	3	Worrigeer	Bench	707	Good condition
					Playground		
Forestpark Reserve	CNU214	N	4	Worrigeer	Minor infrastructure	3866	Fair condition

*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

James Crescent Reserve	CNU440	N	3	Worrigeer		813	Good condition
Liberty Park	CNU442	N	3	Worrigeer		35155	Good condition
Liberty Rd Worrigeer	CNU443	N	4	Worrigeer	Bench	7131	Fair condition
					Playground		
Old Southern Road Reserve	CCB375	N	4	Worrigeer		944	Fair condition
Rayleigh Dr Reserve	CCB450	N	3	Worrigeer		5457	Good condition
Rayleigh Gardens	CCB372	N	6	Worrigeer	Benches	19394	Good condition
					Pathway		
					Playground		
					Picnic table		
					Tennis courts		
Sophia Rd, Worrigeer	CCB381	N	3	Worrigeer	Picnic table	67893	Good condition
					Bench		
The Garden Walk Worrigeer	CCB382	N	4	Worrigeer		974	Fair condition
Worrigeer Reserve - Bennett's (Equestrian Center)	CCB378	N	S2	Worrigeer	Clubhouse	104474	Good condition
					Sporting amenities		
					Storage shed		
					Tractor shed		
					Shelters		

**Attachment 2 – Parks and Reserves Risk Management Procedure**



# PARKS and RESERVES RISK MANAGEMENT PROCEDURE

## CONTENTS

### 1. Scope

### 2. Purpose

### 3. Objectives

### 4. Inspections

#### 4.1 Purpose

#### 4.2 Inspection Intervals

#### 4.3 Use of Defect/Risk Inspection Information

#### 4.4 Inspection Staff

#### 4.5 Inspection Process

#### 4.6 Hazard Inspection Frequency

#### 4.7 Minimum Recording Levels

### 5. Documentation

#### 5.1 Purpose

#### 5.2 Inspection Records

#### 5.3 CAMS Data

#### 5.4 Parks and Reserves Asset Register and Defect Register

#### 5.5 Checklists –

##### 5.5.1 Defect Inspections

##### 5.5.2 Hazard Inspections

### 6. Review

Appendix A: Intervention levels and response times

Appendix B: PRMP – Reserve checklist

Appendix C: BMX – checklist

Appendix D: Playground – Checklist

Appendix E: Skateboard - Checklist



*Shoalhaven City Council  
Asset Management Plan – Park & Reserves*

## **Parks and Reserves Risk Management Procedure**

### **1. Scope**

The Risk Management Procedure forms a part of the Corporate Risk Management Policy. The development of a risk management procedure for the Parks and Reserves asset type is a specific requirement of the corporate Policy.

For the purpose of this Procedure, Parks and Reserves assets shall be defined as:

- All Council parks and Reserves including the following
  - o Icon Parks and playgrounds
  - o District parks, both category 1 and 2 and associated playgrounds
  - o Local parks with playgrounds
  - o Passive recreation areas
- Council owned community land of all land classifications, separated from non-maintained crown land areas by vegetation boundary or revegetation protective fencing.
- Council managed Crown Reserves, separated from non-maintained crown land areas by vegetation boundary or revegetation protective fencing
- Council managed assets that exist for the users of parks and reserves. (not including waterways or coastal facilities)
- The main asset types are buildings and structures, playground equipment, passive and active facilities, playing fields and courts, car parks, viewing platforms, board walks, safety fencing, and stairs, paths and tracks

Community Land and Crown Reserves are included in this Procedure. The development of a Parks and Reserves Risk Management Procedure is an element of the Parks and Reserves Asset Management Plan, which will include details of asset condition, maintenance/renewal strategies and service delivery model.

### **2. Purpose**

This Procedure has been prepared to clearly indicate Council's commitment to minimising in so far as is reasonably practicable risk from injury to users of Council's Parks and Reserves and to determine the methodology for inspection and programming of repair and replacement works.

### **3. Objectives**

The objectives of the Procedure are:

- To apply to Parks and Reserves maintenance, the risk management principles of identification, assessment and treatment of risks.
- To implement a formal system of Parks and Reserves asset inspections that records risks including defined hazards.
- To implement a formal system to inspect and prioritise reports of risks received from the public and/or employees.
- To implement a method of prioritising the risks recorded from the various sources.
- To establish affordable response times to affect repairs or provide temporary warnings for the identified risks; and

- To establish a system of documenting all-important steps of the Procedure to allow ongoing monitoring and review in order to provide evidence to defend Parks and Reserves related claims against Council.

## 4. Inspections

### 4.1 Purpose

Park and Reserves inspections are to identify Defects requiring repair in the medium to long term and Hazards requiring urgent action. These are designed to allow for the systematic identification of Parks and Reserve community land Hazards and Defects and the prioritising of repairs.

The inspections and risk assessments are a two (2) level approach to identify different type of defects and hazards.

4.1.1 **Defect Inspections.** These inspections are to identify Defects which require longer term programmed approach to rectify. These are usually the items which require maintenance actions due to natural wear and tear caused by normal usage. These are the defects which would cause failures if not repaired as part of a normal maintenance program usually with a time period greater than one (1) year. The priority rating would normally be in the P1 to P4 range as defined in the Defect and Risk Management Inspection Procedure.

These inspections are predominately to cover structural elements as detailed in the attached list.

4.1.2 **Hazard Inspections.** These inspections are to identify Hazards which have arisen due to a problem not normally associated with normal wear and tear, and caused by an abnormal event. These require more immediate actions to repair and/or make safe. These are usually hazards which could cause injury to the user if not assessed and the hazard controlled in the short term. These are the types which may be able to be repaired immediately or require to area to be protected in some way until the defect can be repaired and the hazard removed. The priority rating would normally be in the P5 to P4 range

The defect types are usually those which are the result of an unforeseen event or vandalism.

### 4.2 Inspection Intervals

Parks and Reserves assets are numerous and located at unconnected locations across the full area of the City. The resources required undertaking a high frequency of inspections is considerable; the costs may be partly controlled if the inspections and hazard identification are carried out by different people for each type of inspection. The longer term defect detection and programming for future works will be undertaken by the Asset Management Staff on a 2 yearly basis. The Hazard and Risk inspection and recognition shall be undertaken by a trained inspector of the maintenance operational staff.

It is proposed that asset detailed defect asset inspections be undertaken; this is estimated to cost \$15,000 per annum and this frequency is considered reasonable when compared to the available funds. It is proposed to undertake the defects inspections to ensure that the items can be included in the programmed maintenance and Capital Works Programs for the future budgets.

Hazard inspections can be made in accordance with an agreed Parks Risk Inspection Procedure by a trained inspector and a tick box system to record hazards. (see attached sheets) Additional inspections may be undertaken in response to customer reporting and the result of the inspection will be entered in the Parks and Reserves Defect Register using CAMS.

Hazard inspections will be carried out by a trained inspector from the parks operational staff in accordance with the schedule detailed in the attachment to this procedure. This will be documented in accordance with the inspection checklist in the Open Space Management Agreement.

In respect of the different classifications of parks the higher risk of the more frequently used parks would be accounted for in the higher level of service being provided on those parks. This means that the hazard inspections frequency would be connected to the level of service provided to each park.

#### 4.3 Use of Defect/Risk Inspection Information

##### 4.3.1 Defect Inspections

All defects will be identified and the information will be entered in the Parks and Reserves Defect Register which is a sub-set of the Parks and Reserves Asset Register.

Each Defect will be assigned a priority rating corresponding to the degree of risk posed by the Defect. The standard priority ratings are –

- P5 – High Risk – repair immediately if practical or within 2 months; barricade until repaired. These type of defects are usually picked up by the operational staff when carrying out the Hazard Inspections.
- P4 – Medium Risk – repair within 1 year; barricade if required due to the hazard type and risk associated with the non-repair.
- P3 – Low Risk – repair within 2 years
- P2 – repair within 3 years
- P1 – repairs not required within 5 years

Parks and Reserve defects are defined as any defect on any asset within the Parks and Reserve. The Asset Register is also regularly updated from data on works undertaken as well as additional information arising from CAMS and informal staff inspections.

The data in the Parks and Reserve Asset Register will be used to prepare annual repair and replacement programs with prioritisation based on defect priority as assessed by the inspecting officer. An annual budget allowance will be made for this annual programmed maintenance which will be directed to P4 and P3 priority actions as well as re-opening of barricaded P5 actions.

The amount of funding voted each year will be dependent on the needs of Council each year and the demands for funding for other services.

#### 4.3.2 Hazard Inspections

Operational or maintenance staff are to make safe or repair; report hazardous defect (P5 level) to supervisor; to permit repairs to be programmed. Funding for these works is part of the annual budget process. An annual budget allowance is made to undertake urgent repairs (P5) identified by the Hazard Inspections, CAMS or the Defect Inspections.

#### 4.4 Inspection Staff

The inspections will be undertaken by appropriately trained and skilled personnel who have an understanding of Parks and Reserves related risks and defects. These may be operational staff team leaders, works supervisors, engineers, gangers, technicians, asset officers or anyone deemed suitable to undertake inspections.

Defect inspections would normally be undertaken by staff from the asset management section who would be looking for asset condition and assessing the deterioration rate expected by normal wear and tear caused by normal use.

Usually the Hazard Inspections shall be undertaken by a Trained Inspector from the Parks Operational staff. The team leader of the operational staff should report any hazard to the supervisor if it is noticed on a routine visit.

All inspectors will be trained in the systems and recording methods which support this Procedure.

#### 4.5 Inspection Process

Defects Inspections – Generally on an biannual cycle

Inspectors shall record Defects on a hardcopy or electronic Parks and Reserves Defect Record (PRDR). Completed PRDRs shall be returned to the Asset Unit for data entry and/or updating of data in the Asset Register and Defect Register.

Defect inspections will generally relate to structural assets types detailed below in accordance with relevant standards and guidelines. Any P5 defects observed during the visit will be recorded and additionally actions will be taken to advise the relevant Parks Supervisor of the defect and that urgent action is required to make the area safe until the defect can be repaired.

The structural assets include but not limited to the following –

- Playgrounds ~ More Detailed break-up of potential defect types
  - Fall potential
  - Climb
  - Pinch points
  - Entrapment
  - Soft-fall
- Any shade cloth covers
- Rotundas or shelters
- Building of any description
- Passive recreational facilities
- Playing courts for any sport
- BMX/Skateparks
- Garden edges and substantial borders
- Carparks
- Boardwalks / bridges
- Viewing platforms
- Any steps
- Ground Fencing

The non-structural and vegetation assets that may be included but not limited to the following –

- Signs – Regulatory, safety, warning, advisory and information
- Hazard & other Signage
- Barbeques of any type
- Safety fencing
- Pathways and walkways of any construction
- Active sports fields and ancillary facilities
- Turfed playing fields
- Grassed or turfed – passive recreational areas
- Trees and shrubs of any species native or exotic
- Garden beds
- Water features – natural or artificially constructed

Hazards Inspections shall be carried out in accordance with the schedule detailed in the Hazard Inspection Frequency section in this procedure.

The Operational Hazard Inspector shall use the Hazard inspection checklist in OSMA and record any defects or hazards which are observed. Any P5 defects will require the immediate action in accordance with the Maintenance Intervention levels and the action required to make safe. The checklists shall be forwarded to the Parks Operation Manager for programming any further actions and recoding of defects.

Note :

- Significant storm events may trigger additional hazard inspections on playing fields and locations known to be prone to damage from a particular storm or rainfall events. Special inspections may be required for operational reasons on playing fields and

sports courts due to the potential damage which may be caused to the turf surface and possible injury to people due to the soft wet surface.

- Any hazard will be the result of a defect – that should always be recorded even if it is repaired immediately.
- A defect may not necessarily create a hazard at the time of the inspection but if not repaired in a timely manner the defect will continue to deteriorate until the stage is reached when it becomes hazardous. This could be a situation where a defect in the P4 range may move into the P5 condition with the passage of time.

#### 4.6 Hazard Inspection Frequency

The Hazard inspections shall be carried out as detailed on the schedule shown in the table below.

<b>Detailed inspection by Trained Inspector</b>			
Number of Icon Parks		4	
Number of District		71	
Number of Sportsgrounds		39	
Number of other parks		816	
Inspection frequency for Icon	every	4	weeks
Inspection frequency for District	every	13	weeks
Inspection frequency for Sportsground	every	13	weeks
Inspection frequency for other parks	every	26	weeks
Total number of visits		2120	
Time required per visit in minutes incl. travelling		25	
Time required for all sites in hours		883	

#### 4.7 Minimum Recording Levels

Defects identified shall be recorded in accordance with the Defect Inspection Procedure and classified as detailed in the condition and priority for repairs given in the procedure.

Hazards that are less than as shown in Action Level guidelines do not need to be recorded in the Parks and Reserves Asset Hazard Register.

See Appendix A Table – Action Levels

See Appendix B Reserve > Hazard Inspection Checklist

Copies of the OSMA Hazard Inspection Records are attached

- BMX Circuit Hazard Inspection Record
- Playground Hazard Inspection Record
- Skateboard Facility Hazard Inspection Record
- Provisional Items Inspection Record

## 5. Documentation

### 5.1 Purpose

It is necessary to keep evidence of the various steps detailed in this Procedure. Both computerised and 'hard-copy' data will need to be accessible, when required, for both review requirements and as defence for claims against Council.

### 5.2 Inspection Records

Data from the various Parks and Reserve Risk Records will be combined in one computerised database i.e. the Parks and Reserves Asset Register. Hardcopy records will be kept on a Central file however it is proposed to collect defect data electronically for direct downloading into the Defect Register.

### 5.3 CAMS Data

Parks and Reserve related risks identified in CAMS (arising from customer reporting) will be included in the Parks and Reserve Asset Register and Defect Register.

### 5.4 Parks and Reserve Asset Register and Defect Register

The Parks and Reserve Asset Register and Defect Register are a computerised database that will be maintained by the Asset Unit. Data from the Register will be archived monthly to provide evidence of changes to the Register over time. These archives will be held electronically using Council's data backup procedures.

## 6. Review

This Procedure will be reviewed at least annually by relevant employees and adopted by Council. It will be necessary to regularly review the Procedure to verify that its requirements are financially and operationally feasible and that it is effective in reducing Council's exposure to liability claims.

Appendix	A	Intervention levels and response times
Appendix	B	PRMP – Reserve checklist
Appendix	C	BMX – checklist
Appendix	D	Playground – Checklist
Appendix	E	Skateboard - Checklist



## Intervention Levels and Response Times

Asset Type	Minimum Recording Levels	Response Timeframes
<b>Barbeque</b> Gas/electric Wood / solid fuel	Not working or damaged Unserviceable or damaged	Barrier mesh - repair within 5 days Barrier mesh - repair within 5 days
<b>Bridges</b> Bridges - Pedestrian Bridges - Traffic	Holes > 50mm - missing or damaged handrail Holes > 50mm - missing or damaged guardrail	Repair or safety mesh area > repair within 21 days Repair or safety mesh area > repair within 21 days
<b>Buildings</b> Shelters Shade cloth covers Rotundas Other buildings	any broken parts any broken parts or torn cover any broken items any broken items	Barrier mesh - repair within 28 days Barrier mesh - repair within 5 days Barrier mesh - repair within 28 days Barrier mesh - repair within 28 days
<b>Fence</b> Fencing - security Fencing - safety	Missing section large enough for access Missing section that person could fall through	Repair or replace / safety mesh area > repair within 28 days Repair or replace / safety mesh area > repair within 5 days
<b>Landscape</b> Trees Dangerous - deadwood Plants - diseased Plants - pruning Gardens - safe	Broken or split trunks or branches Visible distress in area or plants dying > 5% plants effected Branches interfering with public area Encroachment > 500mm into area Obstruction of public access or hazard > Broken edges or structural defects	Barrier mesh or make safe within 5 days remove diseased plants and control spread within 2 days Trim and prune to make safe within 5 days Barrier mesh - repair within 28 days
<b>Pedestrian way</b> Walking tracks paved or unpaved Boardwalks, steps or bridges	Trip hazard > 25mm - Potholes > 150mm diam and 50mm deep One plank or handrail section damaged or missing	Repair within 28 days Replace plank or handrail section / safety mesh area > repair within 14 days
<b>Playgrounds</b> Equipment - general condition Equipment - broken parts Equipment - pinches or traps Equipment - fall hazards Equipment - impact (swings) Soft fall - condition	When unsafe or unusable Unserviceable or broken parts any pinches or traps Unserviceable handrail Unserviceable fence < 80% depth or contaminated	Repair or safety mesh area > repair within 21 days Repair or safety mesh area > repair within 21 days Repair or safety mesh area > repair within 21 days Repair or safety mesh area > repair within 21 days Repair or safety mesh area > repair within 21 days Clean or add material > within 21 days
<b>Furniture</b> Picnic sets Seats Stairs Bollards	damaged planks or seats rail damaged planks or seats rail damaged treads or handrails > Missing section that person could fall through broken or missing > Not restricting access	Barrier mesh - repair within 28 days Barrier mesh - repair within 28 days Repair or replace - Barrier Mesh area - Repair within 7 days Repair or replace within 28 days

Signs Regulatory or Warning	damaged or illegible or missing	Replace within 7 days or safety mesh hazard
Litter Bins	unsafe or missing > when non-functional	Replace within 14 days
<b>Services</b>		
Water services	Any broken pipe or overflow	Barrier off and contain overflow - repair within 7 days
Sewer service	Any broken pipe or overflow	Barrier off and contain overflow > report to supervisor (Pollution issue) repair within 7 days
Electrical	Any exposed wires or broken fittings	Barrier off and advise Parks Manager > repair within 2 days
<b>Sports fields</b>		
Surface condition - playable safely	uneven > 50 mm over 3 metres	Repair within 28 day
Surface trip or twist hazard	holes or humps > 50mm	Repair within 28 day
Surface cover - turf	no bare patches > 1 m <sup>2</sup>	Returf with 28 day
Field markings	not visible and defined	Remark with in 28 days
Goal posts	broken or un-secured or Unsafe goal posts	Make secure or barrier mesh or remove - report to supervisor
Lighting - bulbs out	> 2 lights out or 10%	Replace within 14 days
<b>Signs</b>		
Signs Regulatory or Warning	damaged or illegible or missing	Replace within 7 days or safety mesh hazard
Safety	damaged or illegible or missing	Replace within 7 days or safety mesh hazard
<b>Road matters - vehicles</b>		
Gravel pavements	pot holes > 300mm diam and > 50mm deep	Fill holes with gravel within 28 days
Sealed pavements	pot holes > 150mm diam and > 50mm deep	Fill holes with gravel within 28 days - seal within 8 weeks
<b>Walls</b>		
Retaining	Damaged or tilting > Earth falling through or tilt > 1:5	Barrier mesh and repair within 8 weeks
Dividing	Damaged or tilting > not restrict access	Barrier mesh and repair within 8 weeks
<b>Drainage and ponds</b>		
Drainage structures -	Inlets blocked which would cause flooding or erosion	Clean - to allow flow of water -

**This check list applies to Hazard inspections by a Trained Inspector - not assessment of asset condition**



This checklist is to identify defects which would be considered to be a hazard with a high risk to health or safety of the asset users. It should not be used to record defects which can be programmed to carried out at a future time and do not pose a risk to the asset user at the time of the inspection.		
Inspected by Signature	Date	Please Print Name

<b>BMX Circuit Inspection Record</b>
--------------------------------------



## BMX Circuit Inspection Record

<b>Reserve Name:</b>		<b>Reserve Number</b>	
<b>Location:</b>			
<b>Facility:</b>		<b>Date/Time:</b>	
<b>Inspector:</b>			
Item	Satisfactory		Comments / Action Taken / CAMs
	Yes	No	
1. <b>Surface:-</b> Condition –			
2. <b>Circuit width:-</b> minimum width 1.5m			
3. <b>Start Mound:-</b> Maximum height 1 m Approach/departure angle no greater than 1:2.5			
4. <b>Berms:-</b> Width 2m Gradient not greater than 1:3			
5. <b>Jumps:-</b> Maximum height 1m Approach gradient not greater than 1:2.5			
6. <b>Bushes &amp; Trees:-</b> Trimmed clear of facility. 2m clearance between track & trees/shrubs			
7. <b>Rubbish</b> Area clear of rubbish, broken glass etc.			
8. <b>Warning Signs</b> Signs in place, no graffiti or excessive fading.			
1. <b>Trees</b> Dangerous Deadwood			
2. <b>Other Hazards</b> <b>Unauthorised additions</b>			

<b>Playground Inspection Record</b>
-------------------------------------



## Playground Inspection Record

<b>Reserve Name:</b>		<b>Reserve Number</b>	
<b>Location:</b>			
<b>Facility:</b>		<b>Date/Time:</b>	
<b>Inspector:</b>			
Item	Satisfactory		Comments / Action Taken / CAMs
	Yes	No	
<b>Softfall Surfacing:-</b>			
Area clean of foreign objects/debris.			
Loose softfall / not compacted.			
Depth of softfall adequate (300mm).			
Rubberised softfall undamaged.			
<b>All Equipment:-</b>			
All equipment present & usable.			
Footings adequately covered by softfall.			
All surfaces free of rough edges/sharp points/damage.			
Equipment free of rust, rot, cracks, splinters.			
Equipment free from foreign objects/materials.			
All fastening hardware secure.			
All footings secure.			
<b>Moving Components:-</b>			
Moving components free of damage.			
Components free of excessive wear.			
<b>Edging:-</b>			
Softfall edging free from damage/rot/splinters.			

<b>Skateboard Facility Inspection Record</b>
--



## Skateboard Facility Inspection Record

<b>Reserve Name:</b>		<b>Reserve Number</b>	
<b>Location:</b>			
<b>Facility:</b>		<b>Date/Time:</b>	
<b>Inspector:</b>			
Item	Satisfactory		Comments / Action Taken / CAMs
	Yes	No	
<b>1. Skating Surface</b> Condition – smooth without excessive wear, cracks, holes, corrosion, projections, sharp edges.			
<b>2. Platforms</b> Floor smooth without excessive wear, holes, projections, sharp edges.			
<b>3. Protective Fences</b> Firm & secure not broken, holed or loose.			
<b>4. Grinding Rail</b> Structure firm, bolts tight, welds not cracked, no sharp edges or projections.			
<b>7. Drainage</b> Grate in place, not blocked, no water ponding.			
<b>8. Bushes &amp; Trees</b> Trimmed clear of facility.			
<b>7. Rubbish</b> Area clear of rubbish, broken glass etc.			
<b>8. Warning Signs</b> Signs in place, no graffiti or excessive fading.			
<b>9. Other Hazards</b>			

