

# North Fremantle Foreshore Management Plan 2013



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1. Cover Image: Harvey Beach Jetty



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*"The foreshore is one continuous piece and should not to be segmented- as has been done previously" -Community member*

## EXECUTIVE SUMMARY

The North Fremantle River Foreshore is a valuable public reserve with ecological, historical and cultural significance. It is greatly treasured by the community for its passive and active recreation opportunities and its unique and varied landscape character. The wide-ranging pressures the foreshore faces requires continued active management and an agreed framework within which long-term design and planning decisions can be made.

The purpose of the North Fremantle Foreshore Management Plan is to address the above and provide guidance on future management and design decisions for the foreshore. This document aims to provide a workable document that is accessible for decision makers, contractors and community members.

The renewed management plan will ensure the most appropriate and current approach to design and implementation of future landscape works and conservation practices are adopted for the foreshore. In turn, this will ensure the ongoing existence of a well-conceived matrix of ecology, recreation, conservation, culture, and aesthetics for the benefit of all residents and stakeholders.

UDLA's methodology/approach for the management plan commenced with a literature and desktop review relevant to the site. UDLA subsequently assessed the existing landscape character and site condition to provide a description of current cultural, infrastructural, biophysical and biological elements.

UDLA proceeded to engage with community, schools, external stakeholders and Aboriginal groups to assist in exploring values, concerns and visions for the site. Engagement sessions provided valuable input for further exploration of site requirements by UDLA. UDLA's landscape condition assessment paired with engagement



input produced a set of findings that informed a set of management recommendations.

This plan has been designed with a specific implementation frame and is intended to be a working document that is updated after five years. With this time period in mind, recommendations have been broken into time specific categories defined by their level of priority and cost, all of which should be aimed to be completed within the 5 year time frame.

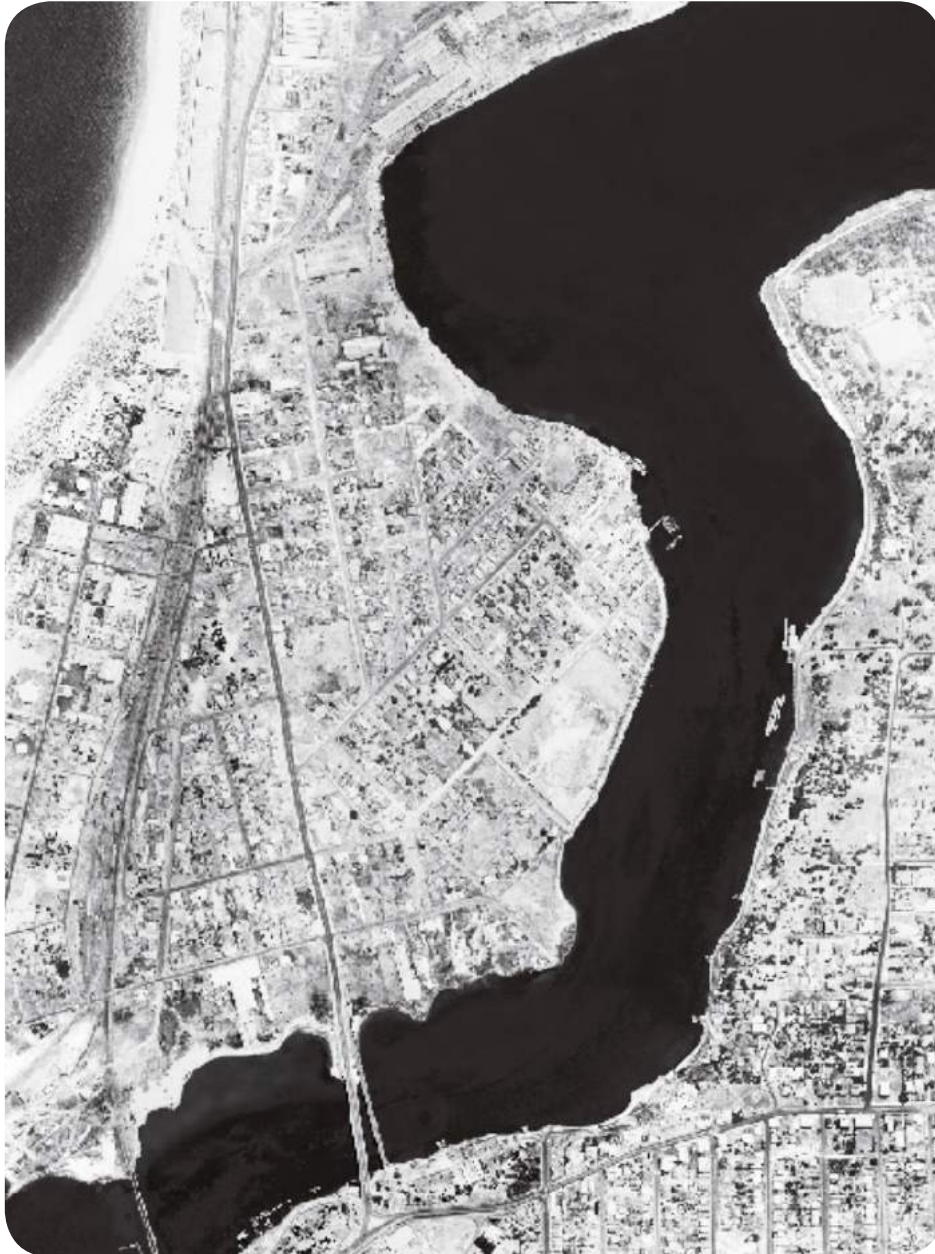
UDLA therefore propose the following management recommendations are of high priority and should be addressed within a twelve month period. These are listed below in chronological order as they appear in the document:

1. *Review the number and placement of dog excreta bag stations to combat complacency littering.*
2. *Through further engagement with appropriate Aboriginal groups, investigate options for interpretive signage that explains the cultural significance and outlines correct protocols for the site, for example, signage at the entrance to the cave. This signage should link beyond the site boundaries and connect with Swan River Dreaming Stories trail currently being undertaken by the Swan River Trust.*
3. *Consolidate existing signage and interpretation.*
4. *Maintain vegetation around artworks. Vegetation should not impede on or obscure the artworks.*
5. *Sensitively consolidate and define 'goat tracks' to stop erosion and ensure safety.*
6. *Extend dual use path between Johannah st and Pier 21 to avoid accessibility issues*
7. *Increase maintenance schedule for the site to minimise the presences of rubbish and graffiti.*

8. *Undertake vegetation survey by an environmental consultant to assess existing vegetation communities.*
9. *Undertake an updated revegetation plan, taking into account longevity and habit of species.*
10. *Redefine important view points and view destinations for Aboriginal cultural significance (as mentioned in Factsheet 3: Aboriginal Culture and Heritage) and aesthetic purposes. Such view points include Fremantle, Fremantle Port, Swan River*
11. *Provide pole top lighting within high use and congregation areas to increase safety and usability of spaces. Such sites may include Sorrel Park, Johannah Street Reserve, John Street Reserve and Harvey Beach.*
12. *Undertake an inventory to assess quality of structures and appropriateness of location.*
13. *Undertake an inventory to assess quality of structures and appropriateness of location.*
14. *Establish and implement a materials palette and style framework for all future signage and furniture, including local materials such as Jarrah, limestone and brushed steel. Style framework themes may include industrial, nautical/aquatic or 'found object' aesthetic.*

This current, informed Management Plan will ensure the most appropriate approach to the design and implementation of landscape works and conservation practices along the foreshore. The result of this will ensure a well-conceived matrix of ecology, recreation, conservation, and aesthetics for the benefit of land managers, residents, community members and stakeholders.





# BACKGROUND

## INTRODUCTION

The North Fremantle river foreshore is a significant local and regional area with its landscape and character being highly valued by the community. As with most riparian landscapes that are situated within metropolitan areas, considerable pressures are incurred; ranging from recreational and cultural aspects to commercial and residential stresses. The amalgamation of the pressures requires dynamic management practices and sound planning to ensure that the desirable aspects of the landscape are retained.

In 2011 The City of Fremantle engaged UDLA to review and update the previous management plans and develop the following North Fremantle Foreshore Management Plan (NFFMP). The NFFMP is not produced in isolation; in contrast, it takes into account relevant external documents and through engagement with all relevant stakeholders, has considered the opportunities and requirements for the future management, conservation and development of this unique and highly valued foreshore. For a full list of relevant and related documents, refer to Appendix A or *Methodology* chapter.

4. Site Aerial, 1948 source: City of Fremantle





## AIMS & OBJECTIVES

A current, informed Management Plan will ensure the most appropriate approach to the design and implementation of landscape works and conservation practices along the foreshore. In turn ensuring a well-conceived matrix of ecology, recreation, conservation, and aesthetics for the benefit of land managers, residents, community members and stakeholders.

Key objectives for the following document include:

- Reviewing relevant documents including previous management plans;
- Engagement with stakeholders who have a legal, statutory, social, cultural or spiritual connection to the subject site;
- Assessing the landscape qualities of the various elements including the natural and man-made, the visual and the functional;
- Considering the current management and maintenance of the subject land, and identify opportunities for improvement; and,
- Producing a set of management and maintenance recommendations that address the concerns gathered during the above engagement process and site assessment

 NFFMP Project Scope

5. Site Aerial, current source: City of Fremantle

## SCOPE

The subject site for the following North Fremantle Foreshore Management Plan is outlined in Appendix 1 and includes the portion of the Swan River foreshore that is under the City's management.

While this management plan aims to address all the current and relevant management issues within the project site it is important to note that the North Fremantle foreshore also falls under the governance of other bodies. Therefore, some issues raised during the engagement process are outside of the control of the City of Fremantle and hence are not addressed within this document. The below table outlines the relevant authoritative bodies, associated acts and their application to the subject site.



6. Swan River Trust Riverpark badge on Harvey Beach Jetty

Table 1: Governance

AUTHORITY	ACT	RELEVANCE	NFF RELEVANCE
Department of Indigenous Affairs	Aboriginal Heritage Act, 1972	Regulation/ management of any Heritage sites	<i>Garangup Caves/Rocky Bay Caves- Swan River</i>
Swan River Trust	Developmental Control Act (2005)	Regulation/ management of anything below high water mark and within the Development Control Area	Boating and boat related issues such as speed limits, river signage, moorings etc; Jetties (excluding Harvey Beach Jetty); Fishing; Dinghy storage; Vegetation and Feral Animal Management
DFES (previously FESA)	Fire Brigades Act 1942 Emergency Management Act, 2005 Bush Fires Act 1954 Part 3 Emergence Service Levy act 2002 Fire and Emergence Services Act, 1998	Methods of prevention of bushfires, including restricted burning times, fire ban.	Parks and Reserves. Of highest priority are Prawn Bay, Johannah Street Reserve, Cypress Hill, Rocky Bay Cliffs
Water Corp	Land Drainage Act (1925) Water Conservation Act (1976)	An Act to provide for the drainage of land, the use of drains and drainage water and the constitution of drainage districts and for other relative purposes. An Act to make provision for the conservation and management of certain waters and of the associated land and environment, to repeal the Swan River Conservation Act 1958, and for incidental and other purposes	All drainage infrastructure
Main Roads	Main Roads Act (1930)	An Act to consolidate and amend the law relating to and making provision for the construction, maintenance, and supervision of highways, main and secondary roads, and other roads, the control of access to roads and for other relative purposes.	All roads including access roads in and out of the site



## THE CITY OF FREMANTLE AND THE SWAN RIVER TRUST: RELATIONSHIP, ROLES AND RESPONSIBILITIES

The City of Fremantle and the Swan River Trust are in joint partnership over the North Fremantle Foreshore Reserve with both organisations having important roles in its management and development.

### Swan River Trust

The Swan River Trust (SRT) is a State government agency that is responsible for the protection and management of the Swan Canning Riverpark. The Riverpark is comprised of the water bodies and adjacent public land of the Swan, Canning, Helena and Southern rivers, within which the North Fremantle foreshore falls. Additionally the North Fremantle foreshore falls within the Development Control Area: similar in scope to the Riverpark though also encompassing adjoining parks and reservations.

The Swan River Trust work within the bounds of the Swan and Canning Rivers Management Act 2006 and Swan and Canning Rivers Management Regulations 2007. The SRT's objectives for foreshore management plans have been summarised as follows:

- Ensure that environmentally sensitive areas adjacent to the river are adequately managed for their preservation;
- Provide for appropriate public access to the river and along the foreshore;
- Ensure that foreshores are appropriately zoned and acquired, and;
- Ensure that there is a buffer between private land and the river.

Swan River Trust foreshore reserve management priorities pertinent to the North Fremantle Foreshore Reserve are as follows:

- Protection of plant and animal communities and physical features which form an integral part of the estuarine ecosystem;
- Provision of a buffer between the waterway and possible sources of water pollution;
- Provision of a buffer between waterways and private property to minimise problems associated with foreshore erosion;
- Enable public access in a manner consistent with the multiple use of the waterway;
- Provision of an area adjacent to the river where development may be controlled to preserve the river amenity;
- Ensuring foreshores are appropriately managed to reduce the risk of degradation;
- Ensuring public access and enjoyment of foreshore reserves is available when appropriate;
- Ensuring that impacts resulting from subdivision of adjacent land are controlled, and;
- Provision of a minimum 30 metres foreshore reserve.

Riverbank, The Swan River Trust's implementation program is responsible for foreshore assessment, management responses and priorities. Riverbank also provides funding and logistical support for shoreline protection and rehabilitation works within the Swan Canning Riverpark through the Riverbank Grants Scheme.

### City of Fremantle

The City of Fremantle is a Schedule 5 Land Manager responsible for the upkeep of facilities and landscape components within the Riverpark. The City of Fremantle is required to apply State Planning Policy 2.10- Swan and Canning Rivers under the Planning and Development Act 2005.

Works are undertaken using local government funding and as mentioned above, through the use of Riverbank Grants Scheme for shoreline protection and rehabilitation works.

## METHODOLOGY

UDLA undertook the following five-phase methodology/approach towards the North Fremantle Foreshore Management Plan.

### 1. Background Document Literature Review

The literature review period was used to collate and research past and current documents that were deemed to inform the new Management Plan. Previous North Fremantle Foreshore Management Plans as well as the adopted local planning policy DGN7 North Fremantle Foreshore Plan (Updated 2003) and other local management plans were reviewed in order to identify the provisions within these documents that remain applicable to an updated Management Plan. These documents helped provide background information and commentary on the current management of the North Fremantle foreshore. A full list of documents can be found in the References and Resources List on page 70.

### 2. Landscape Character and Condition Assessment

UDLA has assessed the landscape qualities of the foreshore including assessing built elements, vegetation, topography, views, access and current and future uses. Through discussions with the City of Fremantle, the Swan River Trust and revision of past management plans UDLA gained an understanding of baseline management expectations.

Subsequently, four site visits were undertaken to investigate the current condition of foreshore amenities and spaces. This included looking at how landscape elements functioned and how public areas were used by the community. UDLA assessed this in a holistic manner referring to both the scale of local open spaces and the broader North Fremantle foreshore context.

UDLA also collated stakeholder interests; considered existing opportunities for improvement and requirements for public use.

### 3. Community and Stakeholder Engagement Activities

UDLA undertook community engagement sessions guided by an engagement methodology prepared and agreed upon with the City of Fremantle's Community Engagement team prior to the commencement of the project.

Consultation with stakeholder groups was a major consideration during the formulation of the management plan methodology. The purpose of community consultation as defined by the City of Fremantle within the project brief is to:

- Gain an understanding of community values of the site
- Identify from a community perspective, key issues that affect the site and suggested management approaches and
- Obtain management ideas for the site.

UDLA believe that an effective way to fulfil the above objectives was to summarise them into three headings: 'values', 'concerns' and 'visions' for the future management of the North Fremantle foreshore.

Consultation groups were formed with separate engagement sessions organised for external stakeholders, Aboriginal stakeholders local residents and students from North Fremantle Primary School. Sessions were organised in a format to allow an opportunity for all stakeholders to provide some input into the management plan process and to illustrate a transparent and open process.

Community consultation sessions were informal chats regarding issues of interest. Community feedback was offered verbally, through the use of maps and comment tags, in written feedback forms on the day or by online survey through the City of Fremantle's website. A full list of all community consultation comments can be found in Appendix 5. A more detailed explanation of engagement can be found within the following section titled 'Engagement'





#### 4. Data Analysis and Review of Engagement Response

Information offered through the consultation process was recorded and documented according to the type of response ('value', 'concern' or 'vision') were processed and grouped in relation to their response type. Raw data was further analysed to identify main concerns raised in the gathered comments and to align with the following seven broad categories:

- Access
- Recreation
- Views
- Identity
- Biota
- Facilities
- Hydrology

These overarching management categories were further refined into issue-specific management 'Factsheets'. Factsheets offer flexibility of acting as stand-alone resources or work within the entire document set.

#### 5. Foreshore Management Plan Compilation

Upon retrieval and collation of all relevant information, UDLA compiled a final management plan document for input and refinement from the City of Fremantle before approval and adoption.



## ENGAGEMENT

A thorough engagement process has given the plan a firm understanding of community views. Integrating community input will allow the plan to be in the best position for community support and implementation. The following groups were involved in consultation and engagement:

### External Organisations

- Swan River Trust
- Department of Fire and Emergency Services (Formerly FESA)
- Fremantle Port Authority
- Main Roads

### City of Fremantle Internal Stakeholders

- Aboriginal Engagement Officer,
- Community Development Coordinator,
- Manager & Director Technical Services,

### Aboriginal Organisations

- South West Aboriginal Land and Sea Council (SWALSC)
- Whadjuk Working Party

### Community

- North Fremantle residents
- North Fremantle Primary School
- APACE Revegetation Nursery
- North Fremantle Community Association
- Northbank Residents Association

## ENGAGEMENT APPROACH

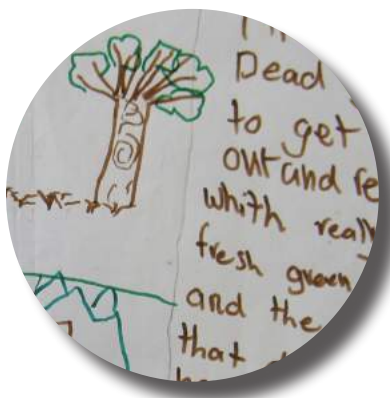
### External Organisations

Organisations were contacted during February and March of 2012 and asked the following regarding the North Fremantle Management Plan:

- do they have access to relevant internal knowledge/documents to assist in writing the plan?
- to what level they wish to be engaged?
- do they have any specific areas of interest?

Review of the Management Plan by Swan River Trust and FESA will occur following completion of the draft report.





9. Engagement Sessions

## Community Groups

A community consultation day event was held Saturday 9th June, 2012. The event was advertised on the City's website, through a letterbox drop in the Herald Newspaper and leaflets were placed at well-known spots in North Fremantle. Signs were also displayed on the day to target passers-by. Three stalls were set up along the foreshore throughout the day to aim to obtain information more specific to the areas in question. These were:

- Rocky Bay Reserve at the end of Rule Street
- Cypress Hill
- Johannah Street foreshore

Participants were asked to provide feedback on what they:

- Value or like
- Concerns or worries held
- Visions for future management and design insertions

During the consultation sessions community feedback was noted by the facilitators, through feedback forms and post-it notes. An online survey was also offered for further feedback and for people who could not attend the events.

## Aboriginal Organisations

UDLA engaged the South West Aboriginal Land and Sea Council (SWALSC) to provide input for the management plan. An initial scoping meeting was followed by a secondary meeting to obtain the contacts of relevant elders who would best speak for the site. Consultation efforts were then directed through a private Aboriginal Engagement Consultant who acted as facilitator for the engagement session. The engagement session took place Wednesday 23rd January on site in North Fremantle. Six Whadjuk representatives attended the session that involved a site discussion over maps and a site tour and discussion. Feedback was offered on all broad areas of interest as well as detailed input on heritage sites within the Reserve.









## EXISTING CONDITION

A review of the existing condition of the North Fremantle foreshore has been undertaken. This is to provide a baseline level of information on the current condition and illustrates the effect of current management practices.





11. Dingo Flour





12. Garungup Caves

## CULTURE AND HERITAGE

The Aboriginal stories relating to the North Fremantle foreshore are a vital link to stories and trails of the surrounding Perth and greater Western Australian region. Evidence of the importance of the region exists nearby at Minim Cove, where artefacts found have been dated to 9930 years old.

At the time of the Swan River Colony, North Fremantle was a district (*Mooro*) within the *boodjar*-land of Yellagonga. An important route between the Perth area and Fremantle existed, with tracks following the north bank of the river and adjacent bushland. North Fremantle held significance to this trail and to a trail extending to Mandurah and the Murray River, in that waters were shallow enough at North Fremantle to swim across the river.

Two limestone caves located at Rocky Bay, *Garungup* (place of anger) are believed by some to be the final resting place of the Creation Spirit, *Waugal* (Rainbow Serpent), before it created the tunnel below the caves out to the Indian Ocean. *Waugul* slept at *Garungup* after

creating the local 'Seven Sisters' hills believed to have become the back of *Waugal*. The rocks present at Rocky Bay are also said to be connected to the creation of the Swan and Avon Rivers.

The caves have historically been accessible to the public with anecdotal records suggesting they were used to camp, cook, drink and play. Overuse and weathering have caused the caves to deteriorate with solutions to these problems proving overly pragmatic and ugly.

Access has been blocked somewhat by overgrown vegetation which has deterred some but caused others to cut new paths through the foreshore and bush, causing further deterioration of vegetation.

Settlement in North Fremantle was limited to a few isolated farms before the 1850's saw an introduction of convict labour. Information on colonial culture and memory of the North Fremantle area has been collated through the North Fremantle Community Map Cultural and Heritage Project 1992-1993. Details of which can be found in the References and Resources List on page 70.



13. Car Parking

## ACCESS

The isolated location of the North Fremantle Foreshore is compounded by the awkward alignment of roads leading to the site. Access to the foreshore from the major arterial roads is tricky due to traffic calming impediments. The foreshore reserve as a whole requires users to actively seek the site from the main route through North Fremantle. The foreshore is generally accessed by car, bike or on foot.



14. Goat Track, Cypress Hill Summit





## ROADS

The lack of permeability of the foreshore is magnified in certain areas by the lack of roads connecting the site north to south. This has resulted in places of interest developing in a nodal formation around roads that terminate at the foreshore.

Pier 21 (end of John Street) and the water police station (end of Harvest Road) are examples where 'end of the road' developments have begun dominating the public space, giving the streetscapes and adjacent reserves a privatised feel. The use of regular surface treatments (asphalt roads, concrete paths) that stitch in with adjacent suburban fabric help in minimising this issue.

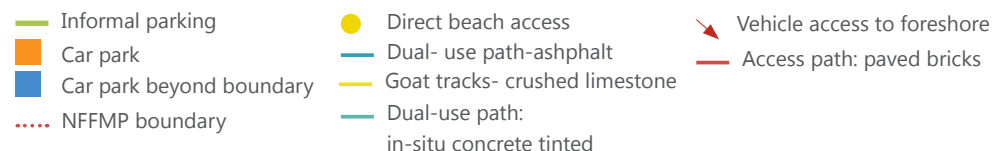
## CAR PARKING

Off-street parking is available on many adjacent streets with formal facilities available at:

- Johannah Street
- Portside Park
- Harvey Beach
- Rule Street

No studies on the usage of parking facilities has been undertaken, though local events (sporting matches) do result in carparks reaching capacity. Infill development within the suburb is also likely to cause higher pressure on parking facilities; hence provision of extra parking facilities will not necessarily be used by foreshore users.

Figure 1: Access and Circulation





## PATH NETWORK

Access along the foreshore is provided by path networks that vary in form, texture and experience. Figure 1 shows current path networks and surface finishes for the paths.

Passage along the foreshore for most able-bodied people is relatively easy to undertake. For physically challenged users, continuous access is not achievable and is limited to specific sections of the foreshore.

The Heritage Trail between Rule Street and Harvest Road consists of a narrow footworn track which meanders along at cliff top level. The track surface generally consists of sand, loose limestone rubble and limestone caprock. Some parts of the trail are easy to walk on whilst others are more difficult, particularly on steep gradients and jagged surfaces (see figure 1)

There is strong community voice to maintain the Heritage Trail in its simple, rugged state, however, in order to maintain public safety, upgrade to the trail is required.

The foreshore between Harvest Road and Gilbert Fraser Reserve changed significantly due to redevelopment of Pier 21 with high density housing. This meant an increase in the foreshore's use and the perception of it being 'privatised'. Development boundaries are visible in the disconnection and inconsistency of pathways.

15. Goat Track, Cypress Hill





16. Access issue: John Street Reserve



17. Access: Garungup Caves



18. Access issue: John Street Reserve





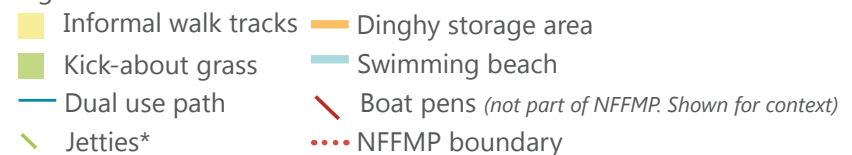
## RECREATION

The North Fremantle foreshore supports many passive and active recreational activities, including:

- Bike riding
- Walking/running
- Picnic
- Children's play grounds and equipment
- Open kick-about areas
- Passive relaxation
- Swimming
- Fishing
- Boating

These activities are valued and encouraged by the community, providing health and wellbeing and also creating a vibrant and safe public space. The impacts associated with these activities vary and the location and management (including required facilities) is very important.

Figure 1: Recreation



\* Harvey beach Jetty is the sole jetty to fall within City of Fremantle Management Area





## PUBLIC OPEN SPACE

The total area of the North Fremantle foreshore is approximately 7.2 hectares. Reserves within this area are:

- Johannah Street Reserve
- Gilbert Fraser Reserve
- Portside Park
- Cypress Hill
- Lot 320 (Bay Park, Garangup Park, Rocky Bay Park)
- Cypress Hill to Lot 320
- Rocky Bay Embankment
- Rocky Bay Estate Park (The Farm, Quarry Park)
- Harvey Beach
- Prawn Bay
- North Bank
- Sorrell Park

NOTE: Brackets indicate possible new park names. See Appendix 4 for full public open space details.

Figure 1: Open Space

- Privately managed reserve
- Public reserve
- Public park
- Public park outside boundary
- NFFMP boundary





19. Integration of Artwork and Public Furniture, Sorrel Park





## PARK AMENITIES & FACILITIES

The amenities and facilities along the foreshore have been developed at various stages over the past two decades and are in varying conditions.

Park equipment along the foreshore consists of:

- Seating and picnic tables (various styles);
- Playground equipment;
- Shade structures;
- Amphitheatre;
- Water fountains;
- Public toilet blocks;
- Rubbish bins;
- Exercise equipment;
- Harvey Beach Jetty\*;
- Dog walking facilities, and;
- Open grassed areas and kick-about spaces.

\* Other jetties that fall within the NFFMP boundary are managed by the Swan River Trust



Figure 1: Interpretation and Signage

- Milestone Project
- Prawn Bay Interpretation
- Heritage Trail
- Signage node
- ⋯ NFFMP boundary

## SIGNAGE

Signage has been developed throughout an extended period and on an as-needs basis, with exception of the Heritage Trail Interpretive Signage. Signage nodes have been established at the gathering and high amenity locations of Johannah Street Reserve, Rocky Bay and outside Pier 21. Signage typologies include:

- Safety (rock fall, cyclist awareness);
- Interpretation, park and naming (Heritage Trail);
- Vandalism (Swan River Trust), and;
- Public service information (revegetation areas, no fishing, dog exercise, dog cleaning)







## ARTWORK AND INTERPRETATION

Artwork projects have been advocated for the foreshore by both community and City of Fremantle. Three projects undertaken include:

- **Wetland Project:** funded by the Department of Culture and the Arts via Community Environment Art and Design grants. This project provides interpretive signage for the Prawn Bay Inlet.
- **Milestone Project:** Funded by Gordon Reid foundation (Recreation for people with Disabilities Grant), City of Fremantle (Public Artworks Program) and Rocky Bay Inc. (provided transport, venue and equipment). This project was implemented in 1996/97. The Milestone Project uses interpretive signposts placed at regular intervals along the river to act as 'milestones' and encourage passage along the foreshore. These take the form of circular mosaic tablets on the ground and currently lack associated interpretive signage.
- **Rocky Bay Heritage Trail:** Part of the Heritage Trails Network, a project funded by the Western Australian Heritage Committee. Designed to enhance awareness and enjoyment of Western Australia's natural and cultural heritage, the trail through the foreshore reserve starts at the end of Harvest road and follows the cliff tops of Rocky Bay linking with the foreshore bicycle path to Point Roe.

21. Examples of interpretation and signage elements



The background image is a photograph of a natural rock formation. It shows a rugged, brownish-grey cliff face with visible cracks and textures. At the base of the cliff, there is a pool of murky, brown water. The foreground consists of a sandy, light-brown ground surface with some small debris and roots.

## ABIOTIC ENVIRONMENT

This section describes the rocks, soils and processes that the North Fremantle Foreshore is composed of and formed by.

### GEOLOGY

The influence of geological formations is a major contributor to the sense of place of North Fremantle, which is made up largely of Tamala Limestone that dates back approximately 140,000 years. The depth to which this bedrock material occurs under the soil surface is unknown though considerable variation in its structure has been recorded.

The Rocky Bay cliffs and the associated limestone caves have been monitored for 25 years where rock movement had been occurring following heavy rain events. Gordon Geological Consultants (G.G.C) were engaged by the City of Fremantle to undertake a survey and inspection of the site following a rock fall at the site in July 2010 <Figure 1,2>.

The report identifies ongoing safety issues particularly during and following rainfall and wind storms and highlights concerns for other hazards on the Rule Street Reserve cliffs which are showing signs of deterioration.

A further geological assessment has been undertaken by the City of Fremantle, prior to dealing with these concerns and falls outside the scope of this project.

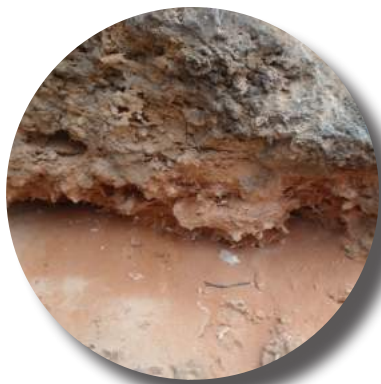


## LANDFORM

North Fremantle foreshore lies within the Spearwood Dune System of the Swan Coastal Plain. This landform type is characterised by undulating limestone hills overlaid by shifting sand dunes. The Spearwood complex is the result of rising sea levels over long geological periods that altered the flow of the river to create eroded limestone cliffs and bays. As a result of rising sea levels and construction of the Fremantle Port, the Swan River turned from a freshwater river into a saline estuary\*. The higher river levels deposited sand and alluvium on shallow lands with larger amounts deposited where the river met with tidal influence. The result is a generally shallow estuarine water-form.

The above processes resulted in the following landforms found within the subject area:

- Limestone hills and outcropping limestone aspects
- Limestone cliffs and caves
- Sand dunes often overlying the smaller limestone hills
- Alluvial flats
- Sandy beaches



## SOILS

Processes associated with the two main landforms (limestone scarp hills and river) have resulted in the formation of Cottesloe and Alluvial Soil association types occurring along the North Fremantle foreshore.

The Cottesloe Soil Association is derived from the weathering of limestone and is composed of shallow yellow and brown sand overlying limestone. Soil depth varies according to the underlying surface profile of the parent bedrock.

Alluvial soils in the low lying areas of the North Fremantle foreshore have accumulated through time due to river deposition and consist of medium grained pale grey to white sands.

Although soil complexes are generally intact, dredging of the river adjacent to Prawn bay Prawn Bay has altered the soil profiles within the Johannah Street Reserve and Prawn bay areas.

\* In geologically recent times, the process of salinisation of the river was magnified by the construction of the Fremantle Port



23. Soil and Geological Expression



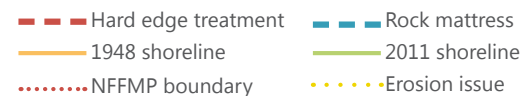
## CLIMATE CHANGE

Climate Change is an issue that will affect future riverside development as well as existing public open space, built form and infrastructure. The City of Fremantle is currently in the process of producing a planning and development risk mitigation strategy in relation to climate change. This strategy will be based on Swan River Trust development Guidelines for the Swan River as well as the West Australian Planning Commission Coastal Planning Policy for coastal locations. Both of these documents are being used in the interim by the City of Fremantle to guide current development.

## SHORELINE AND EDGE TREATMENTS

The shoreline has undergone significant change since settlement in the form of dredging and formalisation of soft edges through the construction of sea walls. High tides and storm events have resulted in the erosion and deposition of sandy beaches due to the construction of groynes and drainage infrastructure. Both hard and soft infrastructure solutions have the capacity to buffer land and mitigate storm surges. Hard and soft edge treatments will all require adaptive management practices to counter the effects of climate change. The exact efficacy of surge mitigation measures is not quantified for this site and may have varying effectiveness.

Figure 1: Shoreline and Edge Treatment





## HYDROLOGY

The hydrodynamics of the Swan River are dominated by the tides and winter rainfalls. Stream flow is normally between 2 to 5 million cubic metres per day in winter, but can peak at over 15 million cubic metre per day which generates strong river currents along the North Fremantle foreshore. This can cause extreme conditions for swimmers and inexperienced sailors.

Seasonal storm surges cause significant damage to the foreshore and an analysis of the tidal records at Fremantle indicating that storm surges can exceed 1 metre along the North Fremantle foreshore. As depicted in early photographs, the area's most susceptible to flooding support a range of intertidal/riparian flora able to 'buffer' or 'soften' a storm surge, however, much of this original landscape type has been lost through reclamation during the 1960's and has altered the shorelines biodiversity and ability to buffer from tides and storm surges.



24. Flooded streets due to high tides, storm surge and aging drainage infrastructure



26. Tidal markings outside Pier 21



25. Tidal flow currents at Fremantle Traffic Bridge



2. Flooding of Johannah Street during Spring Tides and Storm Surge. <R. Forma>

## STORMWATER DISCHARGE, DRAINAGE AND WATER QUALITY

Stormwater discharge outlets occur along the Swan River and are the responsibility of the City of Fremantle. Each outlet has a contributing catchment of land uses including parks, roads & recreational reserves, residential, commercial and industrial. Discharge of stormwater must adhere to current Swan River Trust Stormwater Disposal Policy. Potential factors that can affect water quality include but are not limited to:

- Sewerage
- Discharge form Industrial & Commercial premises
- Accidental spillage
- Stormwater infiltration

Measures implemented to control pollutant transfer, movement and entry into the Swan River include:

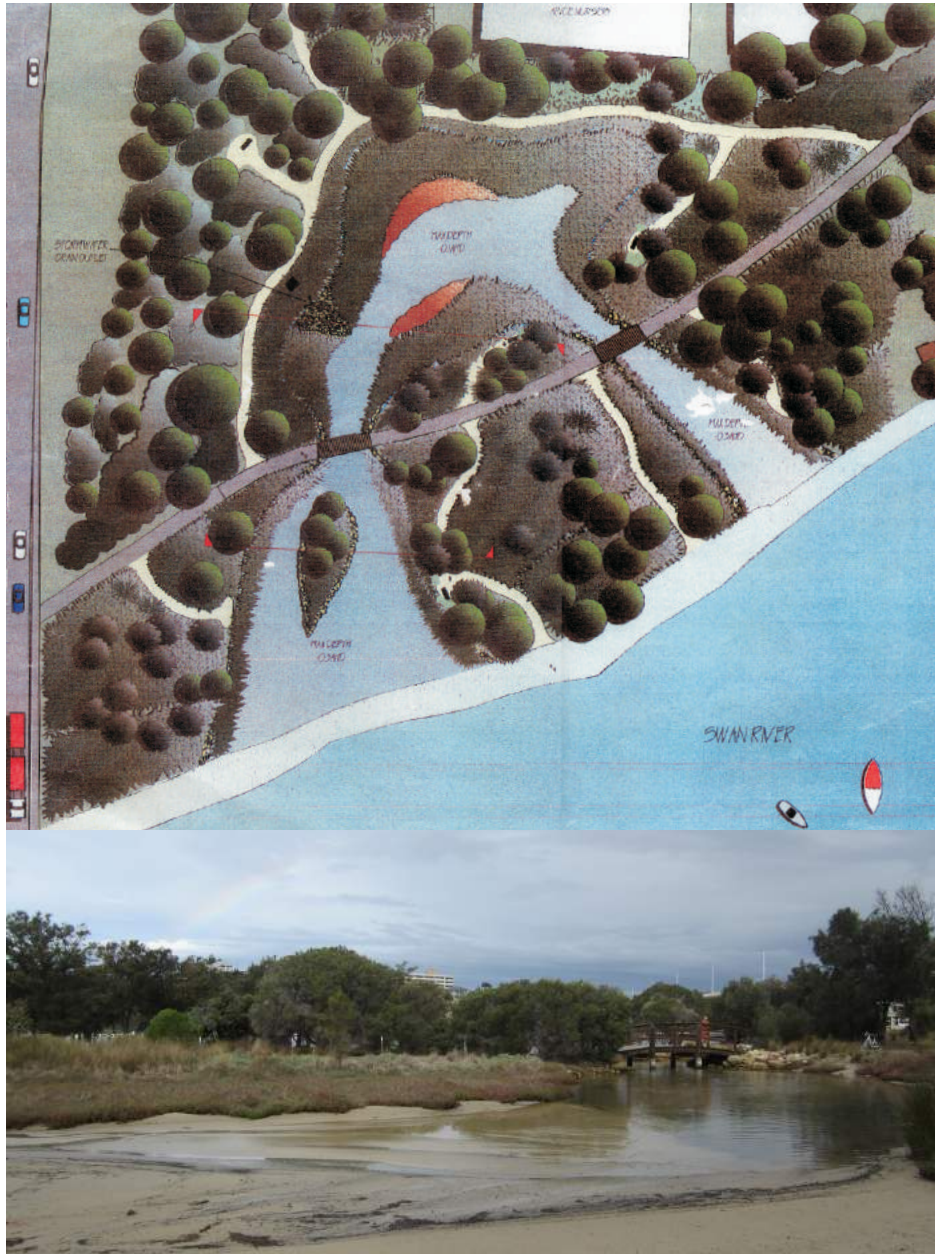
- Grates/gross pollutant traps
- Sediment collection pits

Both these systems require regular maintenance to minimize restriction of flows.

Figure 1: Drainage and Stormwater

- |                               |                               |
|-------------------------------|-------------------------------|
| ■ Drainage area               | ➤ Stormwater discharge points |
| ● Wastewater pump station     | ⋯ NFFMP boundary              |
| — Pump station pressure mains |                               |





## Prawn Bay Inlet

The original inlet was destroyed in 1961 when it was filled with dredged harbour spoil. The Prawn Bay Wetland was primarily constructed to act as a water quality improvement measure. Approximately 30 000 native plants were installed for their nutrient stripping and storm buffering qualities.

The site provides habitat for birds and other wildlife as well as opportunities for environmental education and was funded by:

- City of Fremantle;
- Swan River Trust;
- Fremantle Port Authority; and
- Main Roads WA.

The Swan River Trust Stormwater Disposal Policy is the most current policy for stormwater management. General guidelines include:

- Encourage developers to enact Water Sensitive Urban Design; guidelines and encourage developers to consider WSUD in design;
- Support the use of Gross Pollutant Traps, Sediment Traps and Compensation Basins but recognises their limitations in arterial type drainage systems;
- Suggest ongoing water quality testing at outlets to determine pollutant loading and priority locations, and;
- Support point source control.

27. Ecoscape Masterplan of Prawn Bay Inlet <source: A. Forma>

28. Prawn Bay Inlet at low tide





29. *Banksia sessilis*



30. *Hakea prostrata*



31. *Revegetation at Cypress Hill*





## BIOTIC ENVIRONMENT

### HISTORY OF LOCAL AND INTRODUCED FAUNA

At the time of European settlement, North Fremantle Foreshore would have been home to a diverse range of mammal, bird, reptile, amphibian and invertebrate species. Today however, the terrestrial fauna is considerably reduced in comparison to pre-settlement due to the pressures of urbanisation.

The distribution, abundance and long term survival of native fauna is related to the presence and condition of habitat areas. Within the North Fremantle foreshore, much of the natural habitat areas have been lost and replaced by parkland development. However, revegetation and habitat creation projects have increased habitat areas.

Fauna survey and monitoring within the study area has been limited since the preparation of the 1991 North Fremantle Foreshore Management Plan by Ecoscape. No known recent fauna monitoring has taken place therefore little up to date, site-specific technical information exists. The following lists of terrestrial vertebrates were drawn from the 1991 management plan for the North Fremantle foreshore.





33. *Trichosurus vulpecula*



34. *Cygnus atratus*



35. *Hemiergis peronii quadrilineata*

## Terrestrial Mammals

The only indigenous mammal recorded for the 1991 management plan was the Common Brushtail Possum (*Trichosurus vulpecula*), a common marsupial that has adapted to the urban environment and uses established trees for food and shelter.

The following introduced species were recorded within the 1991 management plan

- The Black Rat (*Rattus norvegicus*)
- the Brown Rat (*Rattus rattus*)
- the House Mouse (*Mus musculus*)
- Red Fox (*Vulpes vulpes*) and
- Rabbits (*Oryctolagus cuniculus*)

## Birds

Birds are the most abundant fauna with 42 species recorded during 1991 management plan surveys.

Aquatic birds were the most frequent with eleven being associated with the estuarine habitats of the foreshore, including:

- Australian Pelican (*Pelecanus Conspicillatus*)
- Pied Cormorant (*Phalacrocorax varius*)
- Little Pied Cormorant (*Microcarbo melanoleucos*)
- Eastern Reef Egret (*Egretta sacra*)
- Common Greenshank (*Tringa nebularia*)
- Caspian Tern (*Hydroprogne caspia*)
- White Faced Heron (*Egretta novaehollandiae*)
- Black Swan (*Cygnus atratus*)

Common terrestrial species included:

- Singing Honeyeater (*Lichenostomus virescens*)
- Australian Magpie (*Cracticus tibicen*)
- Australian Raven (*Corvus coronoides*)
- Welcome Swallow (*Hirundo neoxena*)
- Rainbow Bee-Eaters (*Merops ornatus*)
- Laughing Turtle-Dove (*Spilopelia senegalensis*)

Some uncommon species include

- Sacred Kingfisher (*Todiramphus sanctus*)
- Striated Pardalote (*Pardalotus striatus*) and
- Pied Butcherbird (*Cracticus nigrogularis*)

Commonly sighted raptors that are known to be resident include

- Black Shouldered Kite (*Elanus axillaris*)
- Boobook Owl (*Ninox novaeseelandiae*)

## Reptiles

13 species of reptiles were recorded as occurring within the North Fremantle foreshore for the 1991 management plan. Common species with broad range through the foreshore and neighbouring areas include:

- Yellow Bellied Skinks (*Hemiergis peronii quadrilineata*)
- Spiny Tailed Gecko (*Strophurus spinigerus*)





36. *Penaeus latisulcanis*

Larger species that require protective vegetative cover and occur in bushland include:

- Bobtailed Lizard (*Tiliqua rugosa*)
- King Skink (*Egernia kingii*)
- Dugite (*Pseudonaja affinis*).

Rarer species requiring ground cover and leaf litter include:

- Burton's Legless Lizard (*Lialis buronis*)
- Western Bearded Dragon (*Pogona minor*)
- Striped Skink (*Ctenotus fallens*)

## Aquatic Fauna

A diverse range of aquatic vertebrates and invertebrates inhabit the Swan River. Invertebrate species recorded as occurring in North Fremantle waters are from a range of phyla including:

- Crustaceans
- Molluscs
- Annelids



37. Feral cat

- Coelenterates
- Echinoderms
- Foraminiferans
- Platyhelminths and
- Bryozoans

Many of the genera are marine species with diversity said to be highest in the lower reaches of the Swan River. Included within this group are the Western King Prawn (*Penaeus latisulcanis*), a marine prawn which uses the estuary as a summer nursery.

## Domesticated Fauna

The presence of domesticated fauna is common within urban areas though management varies between species. Dogs are a common pet however they generally pose a low risk to native fauna. Dogs are easily contained within residences and mandatory City of Fremantle registration allows for easy identification. Within the



38. European Rabbit

North Fremantle foreshore, dogs must be walked on leads and 'doggy bag' stations minimise health and environmental impacts.

In comparison, cats are almost unable to be contained within residences at all times and can pose a threat to all types of native fauna present.

## Pest Fauna

Pest fauna are a nuisance to residences. In addition, their presence within the North Fremantle foreshore can pose a threat to local fauna. Foxes that have previously been sighted within the project area predate on small mammals and birds. Foxes and rabbits cause degradation to flora and the stability of banks and dunes through feeding and burrowing.



39. *Ficinia nodosa*



40. *Acacia rostellifera*



41. *Eucalyptus gomphocephala*

## PRE SETTLEMENT FLORA

The vegetation naturally occurring in North Fremantle prior to European settlement would generally have consisted of several vegetation community types defined by the form and dominance of species present. Below is an indicative list of vegetation communities collated by Ecoscape for the 1991 North Fremantle Foreshore Management Plan that may have existed pre-settlement.

### Sedgeland

Damp low-lying areas that are home to sedges-tufted or spreading grass-like plants and Halophytes-low shrubs adapted to living in highly saline environments. Dominant species are likely to have included:

- *Ficinia nodosa*
- *Juncus kraussii*
- *Juncus subsecundus*
- *Sarcocornia quinqueflora*
- *Sporobolus virginicus*

### Coastal Heath

Consist of plants low and stunted in form due to high exposure to coastal winds and shallow soils over limestone. Dominant species would have included:

- *Acacia lasiocarpa*
- *Acacia rostellifera*
- *Guichenotia ledifolia*
- *Melaleuca acerosa*
- *Templetonia retusa*

### Shrublands

A broad vegetation community most likely to have occurred on limestone cliffs surrounds the lower estuary. Dominant species would have included:

- *Acacia cyclops*
- *Acacia rostellifera*
- *Acacia xanthina*

### Low Closed Forest

The leeward side of cliffs on site have been identified as being home to this vegetation community, likely to have been dominated by:

- *Callitris preissii*
- *Melaleuca huegelii*
- *Melaleuca lanceolata*

### Tall Open Forest

Small pockets of deeper soils would have supported deeper-rooted tree species in an open forest dominated by an upper storey of:

- *Agonis flexuosa*
- *Eucalyptus gomphocephala*





42. Formal Landscaping

## CURRENT FLORA

Urbanisation, industrialisation and land dredging/reclamation have resulted in the clearing of the majority of remnant vegetation within the North Fremantle Management Plan project area. Recent site visits have indicated distinct planting typologies exist within the North Fremantle Foreshore Management Plan area, including:

- Formal landscaping
- Assisted bushland revegetation
- Self-colonised revegetation

### Formal Landscaping

Formal planting has taken place within park areas and adjacent to Rocky Bay cliffs. Formal planting areas are often composed of Western Australian flora whilst non-local species have also been used in several locations for functional or aesthetic reasons.



43. Restoration area, Cypress Hill

### Assisted Bushland Restoration

Efforts have been made since 1989 by local community groups and government to revegetate and re-link pockets of remnant vegetation. Examples of this exist at:

- Rocky Bay cliffs
- Cypress Hill
- Johannah Street foreshore

Recent site visits have shown restoration planting to be growing in zones as determined during planting. These zones attempt to mimic pre-settlement vegetation types. Surviving species have begun forming distinct 'communities' characterised by dominant species and localised environmental conditions. Restoration efforts have revealed that altered soils within the NFFMP boundary are not capable of supporting the entire palette of species that would have naturally occurred in the area.



44. Restoration area, Johannah Street Reserve

### Self-colonised Revegetation

This typology occurs amongst assisted revegetation due to reseeding as well as separately on open land due to seed dispersal.

This typology can be seen at Cypress Hill and along the Johannah Street Foreshore and is composed of colonising and resilient species, able to survive in difficult conditions. Such species include:

- *Acacia cyclops*
- *Acacia rostellifera*
- *Acacia xanthina*
- *Ficinia nodosa*
- *Juncus kraussi*
- *Juncus palladis*
- *Juncus subsecundus*



45. Revegetation, Johannah Street Reserve

## Weed Species

A weed is generally defined as a plant growing where it is not wanted. The 1991 Management Plan found 52 weed species within the study area equating to 48% of the known flora of the area, with no Department of Agriculture and Food declared species present.

There is a strong correlation between weed infestation and condition of the native vegetation. Recent site visits have shown weeds species are most commonly present adjacent to paths and along private property boundaries.

AA| Johannah Street Foreshore/ Gilbert Fraser Reserve



Gilbert Fraser Reserve

'The Esplanade'

Johannah St Foreshore





BB | Rocky Bay



CC| Cypress Hill



Figure 1: Revegetation areas

Orange square: Revegetation and Restoration area

Green square: Formal landscape areas

Blue line: Weed edges

Red dotted line: NFFMP and Swan River Trust Development Control Area boundaries



## CURRENT FIRE MANAGEMENT

Fires within the reserve are attended to by DFES. DFES fire callout records between the periods of 01/01/2001 to 19/06/2012 show 16 fires were recorded for the North Fremantle Foreshore Reserve. Of these 16 fires, none caused significant damage and were mainly classified as 'bush/grass/rubbish fires'. Several fires were purposefully lit within the Caves at Rocky Bay and other gathering spots along the foreshore. Cigarettes were also the cause of several fires.

Correct vegetation and weed management will minimise fuel loads for fires and minimise the severity of potential fires.

Residents and users have an active role in the management of fire management within the reserve. Residents adjacent to the reserve need to observe fire bans and maintain vegetation to minimise fire loads. Users of the reserve must observe no fire policy within the space and carefully dispose of cigarettes. See Appendix 5 for DFES' fire callout records.

For the City of Fremantle to undertake clearing of vegetation within the Swan River Trust Development Control Area, a Swan River Trust permit must be acquired before works may be undertaken.

Figure 1: Fire Management Areas

- Revegetation and Restoration area
- Weed edges
- ⋯ NFFMP and Swan River Trust Development Control Area boundaries



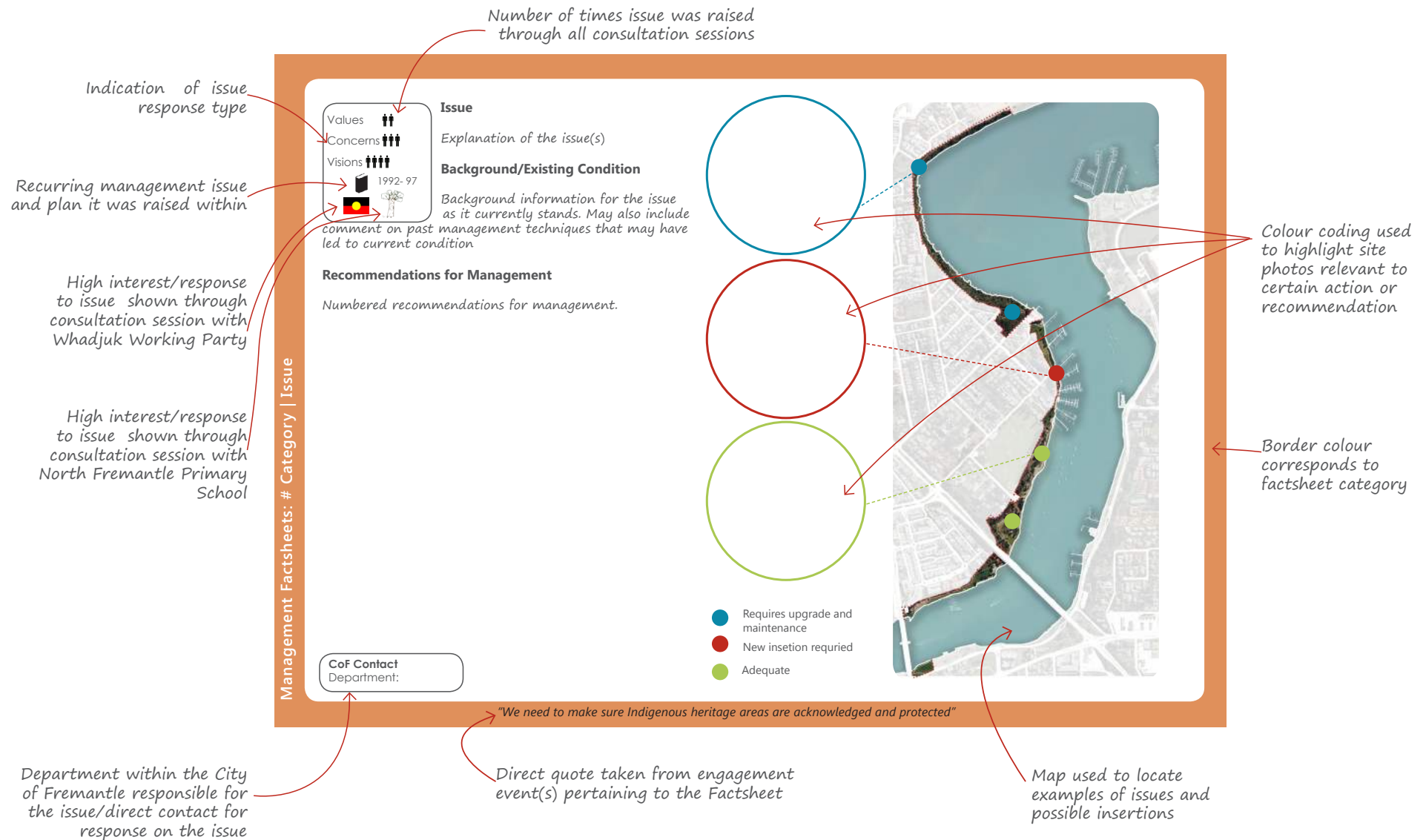


## RECOMMENDATIONS

### SUMMARY

Recommendations are listed in order of appearance throughout the report. The \*\* symbol represents recommendations considered to be 'quick-fix' or 'easy win' recommendations. These are recommendations that require small changes to management practices, small capital and/or financial inputs but have large returns. 'Quick-fix/easy win' recommendations have derived through the importance shown through consultation and UDLA's landscape assessment.

# Management Factsheets Guide







47. John Street Reserve amphitheater

## Legend | Factsheet Categories

- Recreation
- Identity
- Access
- Biota
- Views
- Facilities
- Hydrology

A recommendations summary table can be found on page 46. Recommendations have been prepared as part of 'Management Factsheets' where the management issue, background information on the management issue and the management recommendation can all be found on the same sheet.

Refer to the adjacent guide for details on the composition of factsheets.

Seventeen factsheets are categorised according to the broader issues being addressed. The legend provides management categories and the colour assigned to each. Factsheets recommendations range from high level actions for future studies and analysis to easily achieved on-ground outcomes.

Special consideration has been given to management

guidelines for vegetation maintenance. This has been done given the dynamic nature of vegetation, the regularity of vegetation management and the large proportion of time that vegetation management requires day-to-day. Information pertaining to this can be found in Appendix 1.



## Recreation

### Factsheet 1: Dogs

1. \*\*Review the number of 'off-chain' dog exercise areas within parkland (non-bush) areas. Reviewed areas should coincide with areas where rabbits are not baited and native fauna may exist. \*\*
2. Review the number and placement of dog excreta bag stations to combat complacency littering.
3. Increase and standardise signage to police dog faeces and areas not suitable for off-lead dog exercise.

## Identity

### Factsheet 2: Aboriginal Culture and Heritage

1. Retain view corridors across the Swan River from Rocky Bay for cultural purposes. Refer to Fact Sheet 12: Views
2. \*\*Through further engagement with appropriate Aboriginal groups, investigate options for interpretive signage that explains the cultural significance and outlines correct protocols for the site, for example, signage at the entrance to the cave. This signage should link beyond the site boundaries and connect with Swan River Dreaming Stories trail currently being undertaken by the Swan River Trust.\*\*

### Factsheet 3: European Heritage

1. \*\*Consolidate existing signage and interpretation.\*\*
2. Consider re-siting signage to areas with more passive surveillance where signs are less likely to be vandalised
3. Replace badly damaged signs
4. Revisit Cultural Mapping Project (1991) and consider extension and renewal of Heritage Trail
5. Consider new medium (ie virtual tours, informative apps) to assist in keeping stories of the region alive. This may tie in with artwork and interpretation opportunities.

### Factsheet 4: Dinghies

1. Future management of dinghies is to be determined by City of Fremantle in conjunction with Swan River Trust via another process.

### Factsheet 5: Artwork and Interpretation

1. \*\*Maintain vegetation around artworks. Vegetation should not impede on or obscure the artworks.\*\*
2. Provide a pamphlet or signage system to inform visitors of artworks.
3. City of Fremantle to collaborate with local artists, North Fremantle Primary School, Rocky Bay Inc. and DADAA to undertake new artwork projects.
4. Refer to *Signage*, *Heritage* and *Aboriginal* factsheets for further information.

## Access

### Factsheet 6: Paths

1. Define hierarchy of paths (goat tracks, dual use paths, access paths)
2. \*\*Sensitively consolidate and define 'goat tracks' to stop erosion and ensure safety.\*\*
3. Continue to maintain adjacent shrubs to not impede on paths, causing further stabilisation issues.
4. Consolidate finishes and materials to provide continuity within the network. If new paths are to be built they should match finish of most prevalent or desired path finishes.
5. \*\*Investigate additional appropriate river access paths in Rocky Bay\*\*
6. Undertake Disability Access Audit to understand requirements of universal access users.

### Factsheet 7: Circulation and Connectivity

1. Provide connectivity to exterior path systems to the north and south, including Queen Victoria Bridge.
2. Clarify current path systems with signage or markers (possible artwork opportunity).
3. Consolidation of materials and finishes to assist with legibility of path systems. Refer to Factsheet 6: *Paths*.
4. \*\*Extend dual use path between Johannah st and Pier 21 to avoid accessibility issues.\*\*

### Factsheet 8: Caves

1. Retain limited access to caves by consolidating multiple paths into one narrow track.
2. Revegetate surrounds of the cave with area specific planting. Refer to Appendix One: Species Selection List for planting guide.
3. \*\*Increase maintenance schedule for the site to minimise rubbish and graffiti present.\*\*
4. Investigate the use of Aboriginal Rangers/contractor crew to undertake maintenance and works.
5. Investigate signage upgrade for the site that informs visitors of the sites significance and requests due respect on the site. Refer to *Aboriginal Heritage*, *Furniture and Signage* and *Art and Interpretation* Factsheets for further details.

## Biota

### Factsheet 9: Flora

1. \*\*Undertake vegetation survey by an environmental consultant to assess existing vegetation communities.\*\*
2. Define foreshore into four management zones/hierarchies:
  - High maintenance manicured areas such as formal planting beds and lawns.
  - Medium maintenance areas, requiring weed control and seasonal pruning,
  - Low maintenance bushland, requiring seasonal weed control and
  - Areas of inaccessibility ie Rocky Bay cliff face is an occupational health and safety issue and unsafe for vegetation maintenance given resources available to landscape maintenance.
3. \*\*Undertake an updated revegetation plan, taking into account longevity and habit of species.\*\*



4. Continue revegetation with secondary species to increase diversity and longevity of vegetation communities.
5. With consideration given to access, views and original intent of revegetation efforts, undertake a management regime, with assistance from 'Green Team' (see factsheet 15) to maintain vegetation to desired size and habit.
6. Species selection and maintenance to be appropriate to context. ie. low species used adjacent to paths to minimise safety issues.

#### Factsheet 10: Fauna

7. A fauna survey is to be undertaken by an environmental consultant to determine the presence and condition of current populations within the North Fremantle foreshore reserve. Management recommendations to be established through this process.
8. A continuation in the use of signage may assist in minimising the risk associated with baiting of feral animals.

#### Views

#### Factsheet 11: Public

1. \*\*Redefine important view points and view destinations for Aboriginal cultural significance (as mentioned in Factsheet 3: *Aboriginal Culture and Heritage*) and aesthetic purposes. Such view points include Fremantle, Fremantle Port, Swan River.\*\*
2. Maintain vegetation to allow open public views from path, benches and for universal access.
3. Further planting should be undertaken with species of appropriate height for given location.
4. Consider establishing a 'Green Team' of community members, guided by City of Fremantle staff, to maintain their 'patch' as mentioned in Factsheet 9: *Flora*.
5. Maintain viewpoint 5 in its current state due to the cultural heritage and significance of the tree specimen at this view point. Re site bench to re open this view point.

#### Facilities

#### Factsheet 12: Playground Equipment

1. Reassess appropriateness of playspace elements.
2. Integrate new play equipment into the foreshore reserve. Possible site may include integration of further active sport elements such as a climbing wall under Stirling Highway Bridge.
3. Suggest the use of adventure play and 'found object' elements as opposed to off-the-shelf kit playgrounds. These are more engaging for children and are keeping in with the style of the foreshores' current elements. Possible sites may include amphitheatre adjacent to John Street Reserve (eg. amphitheatre may be left as a 'relic' and left to over grown, becoming more of an adventure play item')

#### Factsheet 13: Lighting

1. \*\*Provide pole top lighting within high use and congregation areas to increase safety and usability of spaces. Sites may include Sorrel Park, Johannah Street Reserve, John Street Reserve and Harvey Beach.\*\*

2. Connect dual use path with bollard lighting in low use areas and pole top lighting at intersection and congregation points.
3. Implement a timed 'off-switch' for lighting that allows use of facilities during the evening. Such timed switch systems are often set for late evening (eg. 10:00pm) and allow use of facilities after dark but do not stay on all night to encourage anti social behaviour and add to visual light pollution issues to nearby residents.

#### Factsheet 14: Furniture and Signage

1. \*\*Establish and implement a materials palette and style framework for all future signage and furniture, including local materials such as Jarrah, limestone and brushed steel. Style framework themes may include industrial, nautical/aquatic or 'found object' aesthetic.\*\*
2. Undertake a street furniture inventory to assess quality of structures and appropriateness of location.
3. Re-site signage and furniture that requires so.
4. Include one shade tree per seating element, sited on north side of seat, where suitable and functional.
5. Refer to Factsheet 5: *Art and Interpretation*.

#### Factsheet 15: Structures

1. \*\*Undertake an inventory to assess quality of structures and appropriateness of location.\*\*
2. Refurbish or replace picnic structures, with an updated suite of typologies and materials.
3. Revisit public toilet situation and consider long term plan for ablution facilities. Consider 'eco toilets'.
4. Provide roofing for John Street reserve pergola for protection from elements.

#### Hydrology

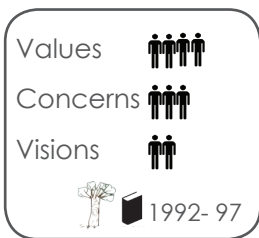
#### Factsheet 19: Shoreline

1. Liaise with Swan River Trust to ensure erosion control and beach attrition efforts and outcomes align with functional and aesthetic requirements of users.
2. Refer to *Reference and Resources List* on page 70 for *North Fremantle Foreshore Study* (2012) for further direction on shoreline issues.

#### Factsheet 20: Drainage

1. Undertake study of existing drainage system in collaboration with Water Corporation.
2. Liaise with Water Corporation to ensure drainage infrastructure is adequately maintained and upgraded where required.





## Issue

- There are limited off chain areas.
- Dog walkers do not mix well with fishers.
- Concern that baiting of feral animals may affect domestic dogs.

## Background/Existing Condition

The foreshore between Sorrell Park and Harvest Road sees high dog traffic. This is largely seen during the morning and afternoon. Dog owners make a up an large number of North Fremantle residents and dogs are seen as being "a social leveller".

## Recommendations for Management

1. Review the number of 'off-chain' dog exercise areas within parkland (non-bush) areas. Reviewed areas should coincide with areas where rabbits are not baited and native fauna may exist.
2. Review the number and placement of dog excreta bag stations to combat complacence littering.
3. Increase and standardise signage to police dog faeces and areas not suitable for off-lead dog exercise.

### CoF Contact

Department: Parks & Landscapes



- Requires standardisation
- Adequate







- Site Requires attention
- Adequate

## Issue

- Limited acknowledgement and apparent respect for sites of Aboriginal significance.
- Maintenance for *Garungup* Caves requires more regular attention.
- Interpretive signage for *Garungup* Caves lacks potency given the significance of the sites.

Values	■■■■■
Concerns	■■■■■
Visions	■■■■■
	1992- 97

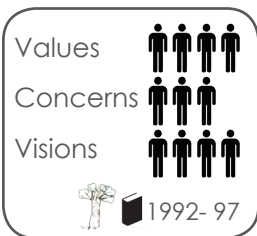
## Background/Existing Condition

Within the North Fremantle Foreshore exist several sites of Cultural and Heritage Significance to local Aboriginal groups. Stories have been recounted during the Aboriginal Engagement sessions that emphasize the sites' importance. The Rocky Bay Caves/ *Garungup* Caves are said to be created by the *Waugul* in Nyungar Dreaming/creation stories. The narrowness and shallowness of the river at this point made the site an important crossing point. The elevation of cliffs along Rocky Bay made the site an ideal viewing point across the river. There is a concern that the Cave site is not being well respected by all users. The act of throwing sand into the water was raised through Aboriginal Consultation as being an act that shows respect to site. A gesture that could be explored through interpretive signage.

## Recommendations for Management

1. Retain view corridors across the Swan River from Rocky Bay for cultural purposes. Refer to Fact Sheet 12: *Views*
2. Through further engagement with appropriate Aboriginal groups, investigate options for interpretive signage that explains the cultural significance and outlines correct protocols for the site, for example, signage at the entrance to the cave. This signage should link beyond the site boundaries and connect with Swan River Dreaming Stories trail currently being undertaken by the Swan River Trust.

**CoF Contact**  
Department: Parks & Landscapes



## Issue

- Loss of diverse European Heritage  
The diverse European history of the foreshore is at risk of being lost without further examination of potential interpretation opportunities within the reserve.

## Background/Existing Condition

North Fremantle has a varied history in regards to European Settlement: From convict and settler farms, to quarry and light industrial area to favoured picnic and swimming spots.

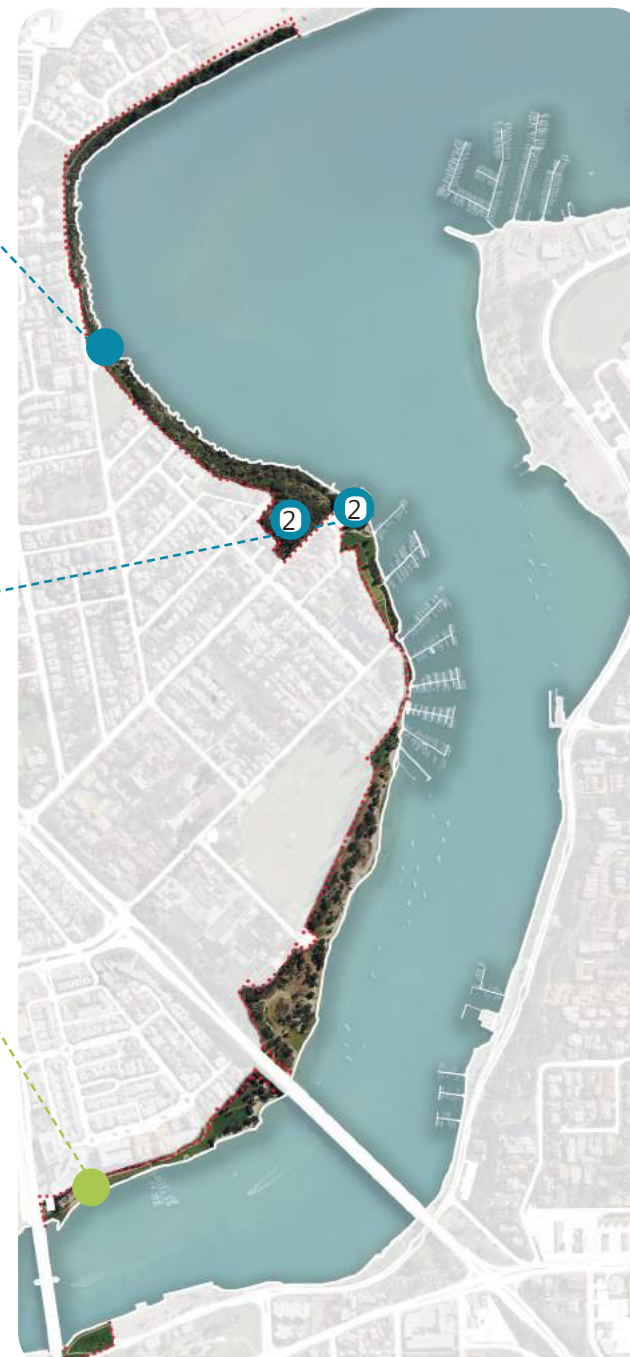
Memories of European histories are at risk of being lost due limited maintenance of current interpretive signage and limited new interpretation opportunities. Current signage for the North Fremantle Heritage Trail and other landmarks within and adjacent to the foreshore reserve are aging and have been subject to vandalism.

## Recommendations for Management

1. Consolidate existing signage and interpretation.
2. Consider re-siting signage to areas with more passive surveillance where signs are less likely to be vandalised
3. Replace badly damaged signs
4. Revisit Cultural Mapping Project (1991) and consider extension and renewal of Heritage Trail
5. Consider new medium (ie virtual tours, informative apps) to assist in keeping stories of the region alive. This may tie in with artwork and interpretation opportunities.

### CoF Contact

Department: Parks & Landscapes



● Requires upgrade and maintenance

● Adequate





## Issue

Storage of dinghies on the foreshore.


## Background/Existing Condition

Community consultation has occurred via another process to resolve the issue of dinghy storage along the foreshore. Dinghies are currently stored on the Johannah Street foreshore where they contribute to the local landscape character and 'sense of place' of the North Fremantle foreshore. Dinghies are also believed by some to provide informal seating, habitat and shelter for native fauna as well as providing some structure to combat shoreline erosion. Opponents of dinghies believe that they are rarely used by owners and inhibit pedestrian access to the beach.

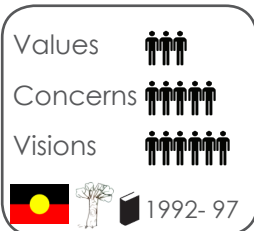
There is also a concern that removing dinghies will push boat owners to use more powerful and destructive craft to reach their boats as well as requiring bitumen carparking and boat ramps.

## Recommendations for Management

1. Future management of dinghies is to be determined by City of Fremantle in conjunction with Swan River Trust via another process.

Values	■■■■■■■■
Concerns	■■■■■■■■
Visions	■■■■■■■■
 1992- 97	

**CoF Contact**  
Department: Parks & Landscapes



## Issue

Artwork and interpretation projects within the foreshore require more considered maintenance. There has been little public art and interpretation projects undertaken since the last Management Plan update.

## Background/Existing Condition

The most recent art and interpretation project to have occurred within the foreshore is the Milestone Project (funded by City of Fremantle, Gordon Reid Foundation and Rocky bay Inc.- 1996/97). Artworks are robustly construction and are aging well. Vegetation adjacent to many mosaics have grown significantly and several mosaics are difficult to locate and are often obscured by vegetation.

Artwork within the foreshore has the opportunity to be more varied, pronounced and contemporary than is currently in place. This is due to the strong sense of ownership of local residents, the creative capacity of local artists, art collectives and the breadth of scope in funding for public arts.

## Recommendations for Management

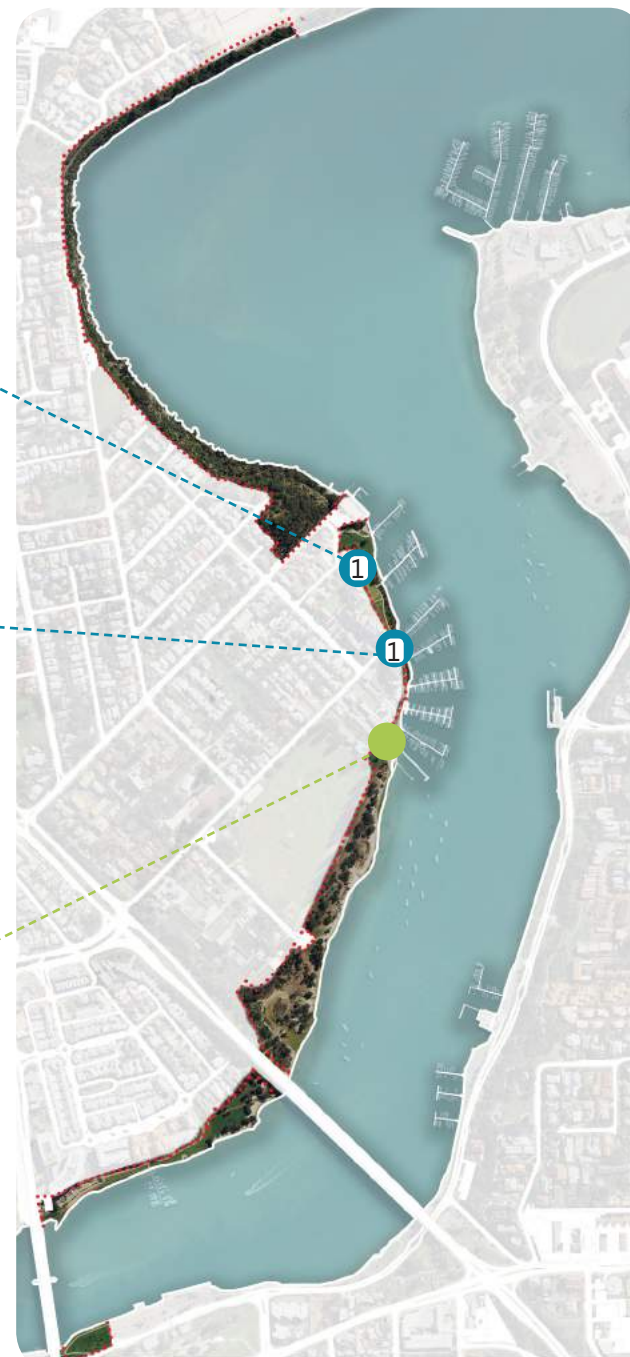
1. Maintain vegetation around artworks. Vegetation should not impede on or obscure the artworks.
2. Provide a pamphlet or signage system to inform visitors of artworks.
3. City of Fremantle to collaborate with local artists, North Fremantle Primary School, Rocky Bay Inc. and DADAA to undertake new artwork projects.
4. Refer to *Signage*, *Heritage* and *Aboriginal* factsheets for further information.

### CoF Contact

Department: Parks & Landscapes



- Requires upgrade and maintenance
- Adequate







- Requires upgrade and maintenance
- Path extension required
- Adequate

## Issue

- Path hierarchy is vague
- Limited access to Rocky Bay beaches has caused unstable paths to form down Rocky Bay cliffs.
- Goat tracks deviating from original routes within bushland are causing erosion and unsafe conditions.

Values

Concerns

Visions

1992- 97

## Background/Existing Condition

Paths throughout the foreshore range in type, function and condition and can be grouped as follows:

- Primary shared path: formal shared path, hardstand finish
- Secondary shared path: formal narrow path, hardstand finish
- Simple Goat Tracks: Bushland access paths, informal finish

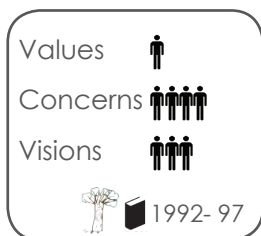
Paths networks vary in surfaces finishes, widths and materials of paths. This impedes on the sense of continuity of the network and path infrastructure. Consolidation of paths will aid in defining routes. Goat Tracks are currently maintained on an as needs basis when they become unsafe. Overgrowth of bushes have caused paths to deviate and caused further erosion. Actions are currently being taken to address the issue of continued erosion due to vegetation growth in current maintenance.

## Recommendations for Management

1. Define hierarchy of paths (goat tracks, dual use paths, access paths)
2. Sensitively consolidate and define 'goat tracks' to stop erosion and ensure safety.
3. Continue to maintain adjacent shrubs to not impede on paths, causing further stabilisation issues.
4. Consolidate finishes and materials to provide continuity within the network. If new paths are to be built they should match finish of most prevalent or desired path finishes.
5. Investigate additional appropriate river access paths in Rocky Bay
6. Undertake Disability Access Audit to understand requirements of universal access users.

**CoF Contact**  
Department: Parks & Landscapes

*"Don't remove goat tracks- Just stabilise sensitively and consolidate"*



## Issue

Segmentation of paths and unclear access between major attraction points causes legibility and permeability problems along the North Fremantle Foreshore.

## Background/Existing Condition

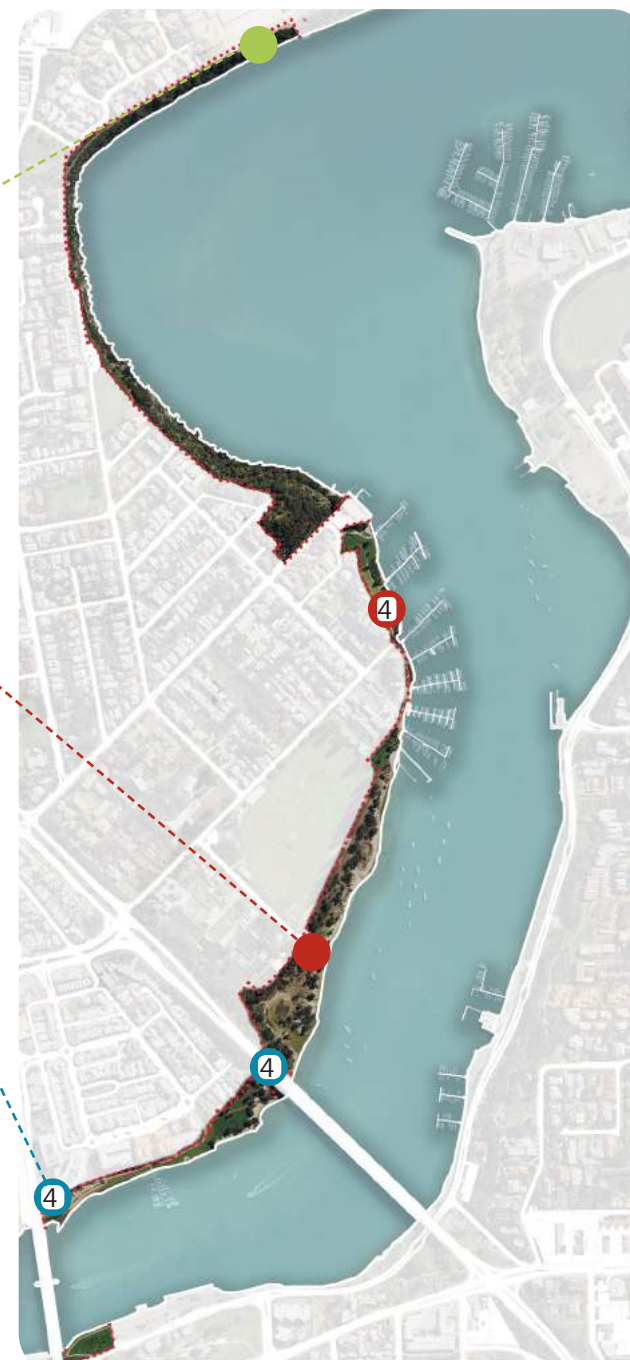
Dual use path networks throughout the foreshore are disconnected internally and also do not connect effectively to path networks within the region including major road and landmark connections of Stirling and Queen Victoria Bridges and Queen Victoria Street. Cypress Hill acts as a landform/topographic boundary to the continuation of the north-south dual use path system. Water police facility also forms a barrier for north-south connectivity by privatising a portion of the foreshore reserve. Direct access though the entirety of the site is not available and makes connectivity to exterior path systems and suburbs difficult.

## Recommendations for Management

1. Provide connectivity to exterior path systems to the north and south, including Queen Victoria Bridge.
2. Clarify current path systems with signage or markers (possible artwork opportunity).
3. Consolidation of materials and finishes to assist with legibility of path systems. Refer to Factsheet 6: *Paths*.
4. Extend dual use path between Johannah st and Pier 21 to avoid accessibility issues



- Requires upgrade and maintenance
- New connection point required
- Adequate



### CoF Contact

Department: Parks & Landscapes





● Requires upgrade and maintenance

## Issue

Garangup Caves are currently accessible to the public and are being used anti-socially. This causes concerns to residents regarding safety of children and property. Aboriginal heritage value is also major issue of this site.

Values

Concerns

Visions



1992- 97

## Background/Existing Condition

The site is of high Aboriginal cultural significance within dreaming/creation stories. The site has previously been used as a lime quarry and more recently used as fishing and picnic spots. The site is currently accessible by informal limestones. This site is often used antisocially and as a camping site. Rubbish is often found on site and graffiti is present.

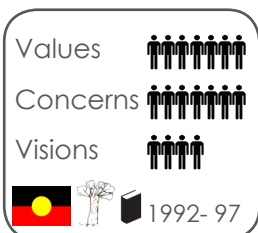
## Recommendations for Management

1. Retain limited access to caves by consolidating multiple paths into one narrow track.
2. Revegetate surrounds of the cave with area specific planting. Refer to Appendix One: Species Selection List for planting guide.
3. Increase maintenance schedule for the site to minimise the presences of rubbish and graffiti.
4. Investigate the use of Aboriginal Rangers/contractor crew to undertake maintenance and works.
5. Investigate signage upgrade for the site that informs visitors of the sites significance and requests due respect on the site. Refer to *Aboriginal Heritage, Furniture and Signage* and *Art and Interpretation* Factsheets for further details.

**CoF Contact**

Department: Parks & Landscapes

"People are accessing areas and camping in caves"



## Issue

- Vegetation requires a consolidated approach to future management.
- Management regimes for bushland areas require revision.

## Background/Existing Condition

Pre-settlement vegetation on the foreshore has been removed in all areas (aside from several small spots along Rocky Bay) during dredging, deposition, quarrying, industrialisation and urban development. Endemic vegetation that now exists within the foreshore has occurred through 20 years of revegetation and rehabilitation efforts by the City of Fremantle and various North Fremantle community groups.

## Recommendations for Management

1. Undertake vegetation survey by an environmental consultant to assess existing vegetation communities.
2. Define foreshore into four management zones/hierarchies:
  - High maintenance manicured areas such as formal planting beds and lawns.
  - Medium maintenance areas, requiring weed control and seasonal pruning,
  - Low maintenance bushland, requiring seasonal weed control and
  - Areas of inaccessibility ie Rocky Bay cliff face is an occupational health and safety issue and unsafe for vegetation maintenance given resources available to landscape maintenance.
3. Undertake an updated revegetation plan, taking into account longevity and habit of species.
4. Continue revegetation with secondary species to increase diversity and longevity of vegetation communities.
5. With consideration given to access, views and original intent of revegetation efforts, undertake a management regime, with assistance from 'Green Team' (see factsheet 15) to maintain vegetation to desired size and habit.
6. Species selection and maintenance to be appropriate to context. ie. low species used adjacent to paths to minimise safety issues.

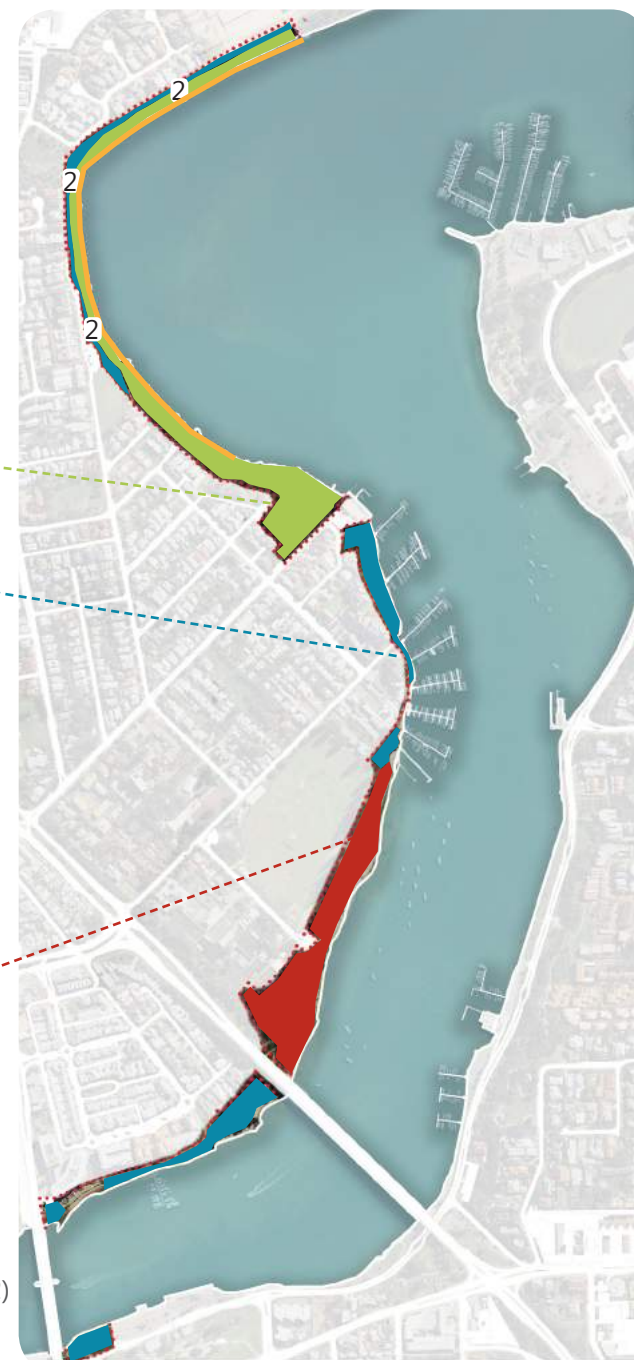
NOTE: Refer to Planting Species List in Appendix 1 on page 71 for appropriate planting palettes

### CoF Contact

Department: Parks & Landscapes



- inaccessible area
- high maintenance area (3)
- medium maintenance area (2)
- low maintenance area (1)







## Issue

Current condition of native animal communities is unknown. There is a community concern that rabbit baiting will prove detrimental to pets within the park.

## Background/Existing Condition

An animal survey was undertaken through earlier management plan processes and found few examples of terrestrial fauna present with only resilient species occurring. Bird species were fairly diverse due to the varied landscape of the foreshore. The current fauna make-up is unknown though it can be deduced that bird species will be relatively unchanged. Feral fauna such as rabbits and cats are a concern to the native fauna that live within the foreshore.

## Recommendations for Management

1. A fauna survey is to be undertaken by an environmental consultant to determine the presence and condition of current populations within the North Fremantle foreshore reserve. Management recommendations to be established through this process.

Values



Concerns



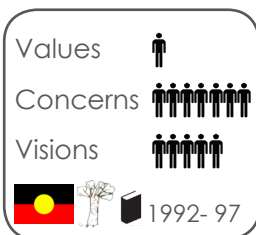
Visions



1992- 97

**CoF Contact**

Department: Parks & Landscapes



## Issue

Public viewpoints have become overgrown and are no longer providing visual connection to the river and surrounds as originally intended.

## Background/Existing Condition

This issue occurs between Cypress Hill and Rocky Bay. Viewpoints are defined as a formal vantage point where public views to important destinations can be reached. Cypress Hills' viewpoints have been blocked by the growth of vegetation on the hill while lookouts and rest stops along Rocky Bay have also been blocked by overgrown vegetation that block views from benches and the walking path.

It must be recognised that stewardship and ownership of the space must be seen as a priority. If locals do not own a space, it will quickly become derelict and under used. Opening new or maintaining current public views appear a viable option given associated stewardship and ownership shown by residents over these spaces. Engagement with Aboriginal elders has shown that the elevated views to the river are important in finding food and crossing points while views to the east shore are important in locating other groups.

## Recommendations for Management

1. Redefine important view points and view destinations for Aboriginal cultural significance (as mentioned in Factsheet 3: *Aboriginal Culture and Heritage*) and aesthetic purposes. Such view points include Fremantle, Fremantle Port, Swan River.
2. Maintain vegetation to allow open public views from path, benches and for universal access.
3. Further planting should be undertaken with species of appropriate height for given location.
4. Consider establishing a 'Green Team' of community members, guided by City of Fremantle staff, to maintain their 'patch' as mentioned in Factsheet 9: *Flora*.
5. Maintain viewpoint 5 in its current state due to the cultural heritage and significance of the tree specimen at this view point. Re site bench to re open this view point.

### CoF Contact

Department: Parks & Landscapes



- Requires upgrade and maintenance
- 1- Viewpoint number and location







### Viewpoint 1

Taken from in front of sign  
 S 32°01.842' E 115°45.499'  
 Elevation 29m  
 View window 160°S - 230°SW



### Viewpoint 2

Taken from limestone slab  
 S 32°01.842' E 115°45.499'  
 Elevation 28m  
 View window 10°N - 230°SW

### Viewshed Analysis Methodology

- Historic viewpoints and public viewing spots with adjacent infrastructure (benches, signage, fencing) were analysed.
- All views taken from eye height (1600mm) unless otherwise mentioned
- Data collected using Garmin GPSmap 60Cx handheld GPS unit. Correct to +/- 3m
- Vegetation to be pruned to an adequate level to allow view line to be kept open.

### Viewshed Analysis Legend

- — — Remove
- - - Prune to height shown
- - - Replant with appropriate plants
- ..... Desired View Line



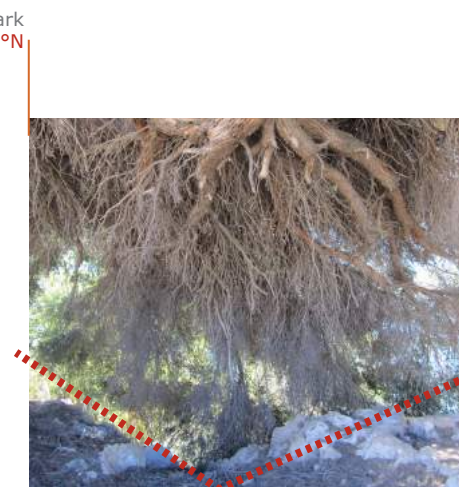
### Viewpoint 3

Taken from limestone slab  
S 32°01.831' E 115°45.507'  
Elevation 28m  
View window 95°E - 155°SE



### Viewpoint 4

Taken from bench seat  
S 32°01.807' E 115°45.443'  
Elevation 34m  
View window 325°NW - 40°NE, 6°N - 16°N visible



### Viewpoint 5

Taken from bench seat  
S 32°01.807' E 115°45.443'  
Elevation 34m  
View window 325°NW - 40°NE,  
6°N - 16°N visible

### Viewshed Analysis Legend

- Remove
- Prune to height shown
- Replant with appropriate plants
- Desired View Line





### Viewpoint 6

Taken from bench seat  
 S 32°01.628' E 115°45.307'  
 Elevation 17m  
 View window 15°N - 150°SE



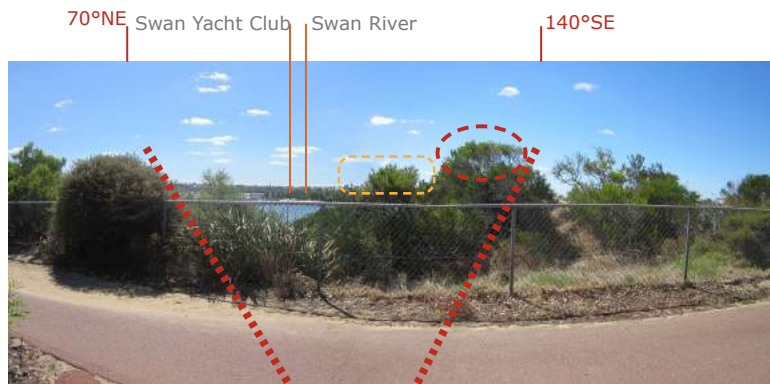
*Templetonia retusa*

### Viewpoint 7

Taken from RHS bench seat  
 S 32°01.563' E 115°45.305'  
 Elevation 12m  
 View window 40°NE - 160°S

### Viewshed Analysis Legend

- Remove
- - - Prune to height shown
- - - Replant with appropriate plants
- ..... Desired View Line



*Templetonia retusa*

### Viewpoint 8a

Taken from bench seat  
S 32°01.543' E 115°45.309'  
Elevation 11m  
View window 60°NE - 170°S



*Templetonia retusa*

*Acacia rostellifera*

### Viewpoint 8b

Taken from Fence  
S 32°01.543' E 115°45.309'  
Elevation 11m  
View window 80°E - 125°SE



*Low Shrubs, maintained to fence height*

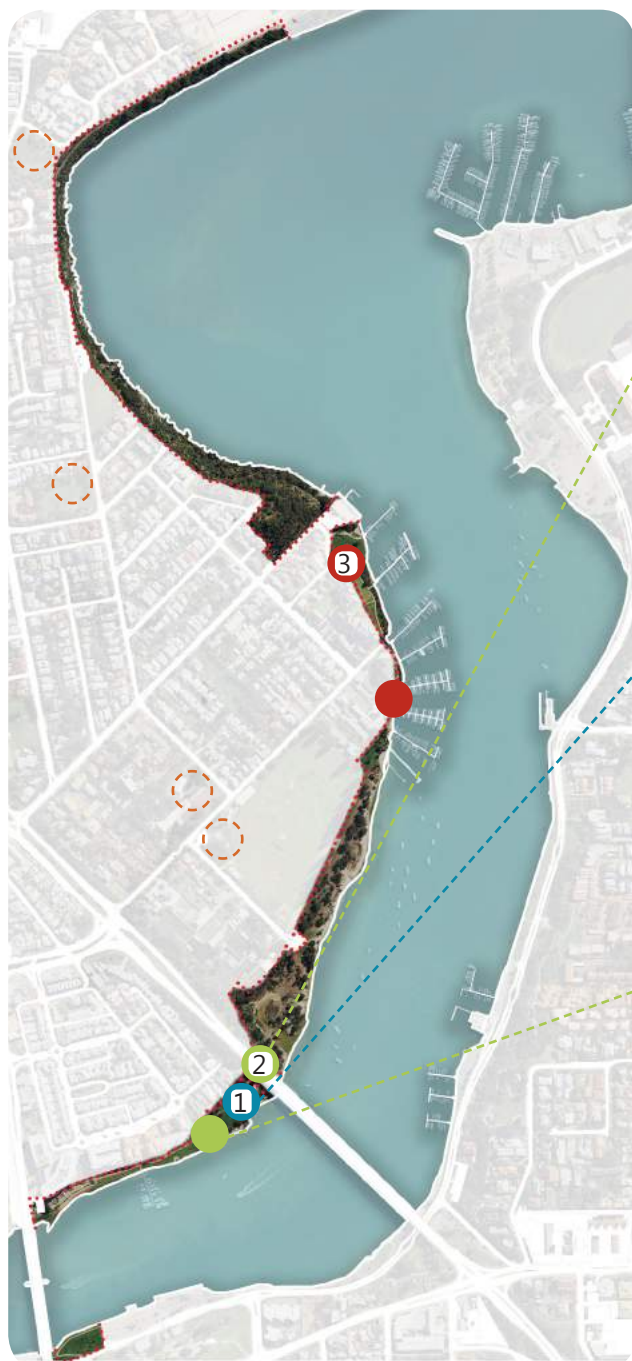
### Viewpoint 9





Taken from clearing  
S 32°01.543' E 115°45.309'  
Elevation 15m  
View window 60°NE - 170°S

### Viewshed Analysis Legend

- Remove
- - - Prune to height shown
- - - Replant with appropriate plants
- ..... Desired View Line





-  Nearby play facilities
-  Requires upgrade and maintenance
-  New opportunity for play space
-  Adequate

## Issue

Play facilities are limited, aging and not well positioned for safe and maximised use.





## Background/Existing Condition

Play amenity along the foreshore is limited to small adventure play items and a basketball hoop under Stirling Bridge.

Adjacent and nearby parks (such as SEW Park and Gilbert Fraser Reserve) provide some play amenity within the area.

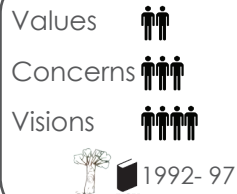
## Recommendations for Management

1. Reassess appropriateness of playspace elements.
2. Integrate new play equipment into the foreshore reserve. Possible site may include integration of further active sport elements such as a climbing wall under Stirling Highway Bridge.
3. Suggest the use of adventure play and 'found object' elements as opposed to off-the-shelf kit playgrounds. These are more engaging for children and are keeping in with the style of the foreshores' current elements. Possible sites may include amphitheatre adjacent to John Street Reserve (eg. amphitheatre may be left as a 'relic' and left to over grown, becoming more of an adventure play item')

Values	
Concerns	
Visions	
	 1992- 97

## CoF Contact

Department: Parks & Landscapes



## Issue

Additional lighting at key locations would increase the usability of the foreshore after dark.

## Background/Existing Condition

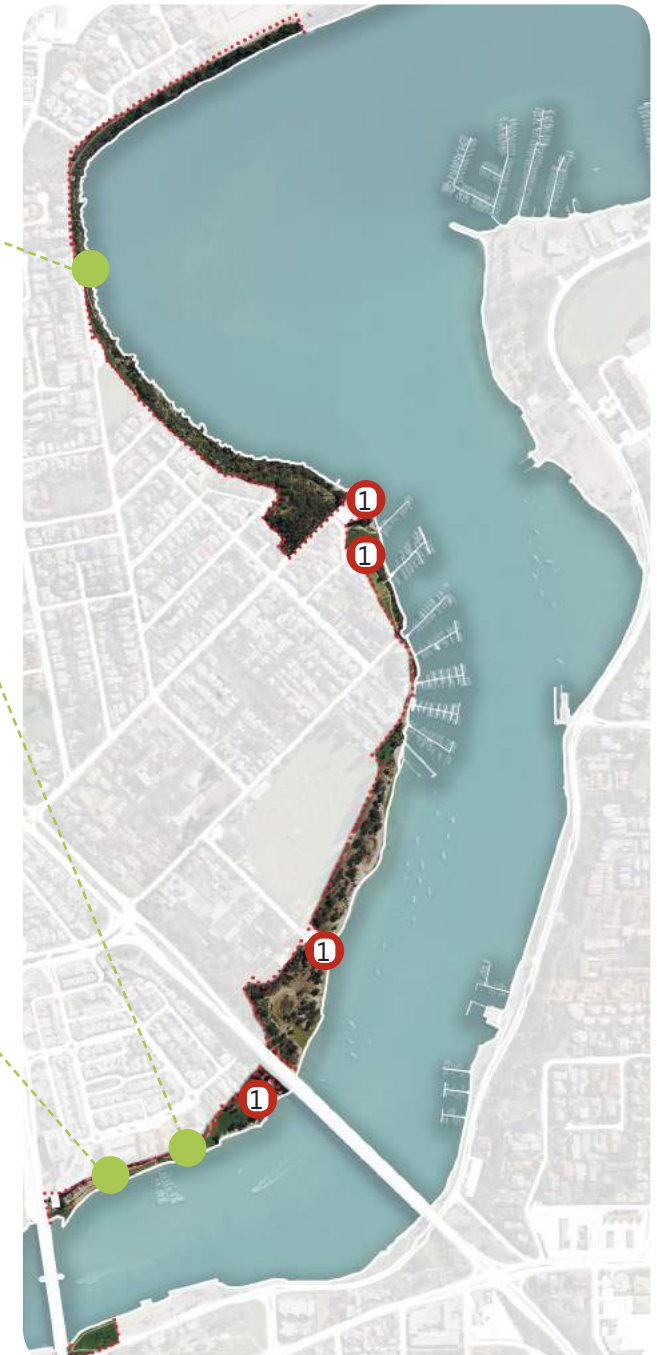
There is currently no lighting in either passive or high use areas along the foreshore. Some bollard/wall lighting occurs in areas adjacent to residential developments, such as Sorrell Park, John Street Reserve and Rocky Bay. Main areas of activity/congregation are unusable after sundown and poses safety concerns to residents and foreshore users. Dual use paths are also not lit effectively reducing safe amenity and recreation opportunities after dark.

## Recommendations for Management

1. Provide pole top lighting within high use and congregation areas to increase safety and usability of spaces. Such sites may include Sorrell Park, Johannah Street Reserve, John Street Reserve and Harvey Beach.
2. Connect dual use path with bollard lighting in low use areas and pole top lighting at intersection and congregation points.
3. Implement a timed 'off-switch' for lighting that allows use of facilities during the evening. Such timed switch systems are often set for late evening (eg. 10:00pm) and allow use of facilities after dark but do not stay on all night to encourage anti social behaviour and add to visual light pollution issues to nearby residents.



- New lighting location
- Adequate



## CoF Contact

Department: Parks & Landscapes





- Requires upgrade and maintenance
- New furniture opportunities
- Adequate

## Issue

- Street furniture and signage lacks continuity in form, materials and style.
- Some seating and signage elements are poorly sited amongst overgrown vegetation

## Background/Existing Condition

Benches along Rocky Bay were sited to provide public viewing points of the river. The growth of vegetation has partially blocked several viewing points from seated position (1m high). Several seated viewing points have limited shade and makes points unpleasant during warmer months.

There is no continuity in form, colour or typography of signage throughout the North Fremantle Foreshore Reserve. It is important that a signage plan be developed for the entire foreshore. This strategy will need to consider all facets of user and council requirements. An integrated design language and materials palette for all new signage will also require consideration to cohesively integrate signage within the foreshore environment.

## Recommendations for Management

- Establish and implement a materials palette and style framework for all future signage and furniture, including local materials such as Jarrah, limestone and brushed steel. Style framework themes may include industrial, nautical/aquatic or 'found object' aesthetic.
- Undertake a street furniture inventory to assess quality of structures and appropriateness of location.
- Re-site signage and furniture that requires so.
- Include one shade tree per seating element, sited on north side of seat, where suitable and functional.
- Refer to Factsheet 5: *Art and Interpretation*.

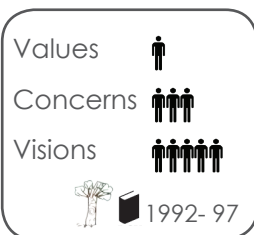
Values

Concerns

Visions

1992- 97

**CoF Contact**  
Department: Parks & Landscapes



## Issue

Structures are largely in poor condition and require attention to make them safe and useable.

## Background/Existing Condition

Structures within the North Fremantle foreshore are generally in poor condition. Treated pine shelters are rotting, falling apart and are hubs for antisocial behaviour. The condition of the shelters epitomise residents view of the North Fremantle foreshore being poorly managed and left to rot.

Johannah Street Reserve toilet block has recently been removed due to poor condition of the facility.

John Street Reserve pergola appears unfinished and provides no shade or protection. Seating under the structure faces the same way and is not providing a space conducive of interaction and passive recreation.

## Recommendations for Management

1. Undertake an inventory to assess quality of structures and appropriateness of location.
2. Refurbish or replace picnic structures, with an updated suite of typologies and materials.
3. Revisit public toilet situation and consider long term plan for ablution facilities. Consider 'eco toilets'.
4. Provide roofing for John Street reserve pergola for protection from elements.



- Requires upgrade and maintenance
- New structure opportunity



## CoF Contact

Department: Parks & Landscapes





- Requires upgrade and maintenance
- Adequate

## Issue

Erosion of soft-edged shoreline caused by boat wash and high tides/ storm surges.

## Background/Existing Condition

The shore edge along the length of the North Fremantle foreshore is artificially constructed with dredge fill. This artificial edge is constantly affected by the natural processes of erosion and deposition that continually change the form and shape of the dynamic shoreline. Upkeep of the sandy beaches therefore require fill to be brought in to counter these natural effects.

There are currently four edge typologies along the foreshore:

- hard edge made of limestone walls
- soft edge of beach
- soft edge of cliffs, and
- soft edge reinforced by limestone rock mattress.

Rock mattress makes beaches impossible to walk and sit on.

## Recommendations for Management

1. Liaise with Swan River Trust to ensure erosion control and beach attrition efforts and outcomes align with functional and aesthetic requirements of users.
2. Refer to *Reference and Resources List* on page 70 for *North Fremantle Foreshore Study* (2012) for further direction on shoreline issues.

Values

Concerns

Visions

1992- 97

**CoF Contact**

Department: Parks & Landscapes

Values



Concerns



Visions



1992- 97

## Issue

Aging drainage infrastructure is no longer coping effectively with the drainage of water from streets.

## Background/Existing Condition

High tides causing water to back through stormwater systems and percolate at side entry pits on the street. Through this process, sand fills and blocks pipes, further causing problems to drainage.

## Recommendations for Management

1. Undertake study of existing drainage system in collaboration with Water Corporation.
1. Liaise with Water Corporation to ensure drainage infrastructure is adequately maintained and upgraded where required.



Requires upgrade and maintenance


**CoF Contact**

Department: Cityworks



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## Reference and Resources List

1. City of Fremantle (2012), Community Engagement Framework.
2. City of Fremantle (2012), *Fremantle Access & mobility Map*
3. City of Fremantle Policy No. D.G.N7 – North Fremantle Foreshore Plan
4. Demara WA Pty. Ltd & Oceanica Consulting Pty. Ltd. (2012), *North Fremantle Foreshore Study: Report 165-01-Draft A*
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11. Northbank Foreshore Management Plan 1997
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13. Swan River Trust (2012), *Guidelines for developing foreshore management plans in the Swan Canning Riverpark*.
14. Western Australian Heritage Committee (1988), *Rocky Bay Heritage Trail* (Pamphlet).
15. Western Australian Planning Commission (1998), *The Vlamingh Parklands: Final Report*, Western Australian planning Commission, Perth

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# Appendix 1

## Species Selection List

Scientific Name	Common name	Max Ht	Sorrell Park	Prawn Bay	Johannah St	John St	Cypress Hill	Rocky Bay	Mgmt Level
<b>TREES:</b>									
<i>Agonis flexuosa</i>	Peppermint	10m	✓		✓	✓		✓	2,3
<i>Banksia attenuata</i>	Slender Banksia	10m					✓		1
<i>Banksia sessilis</i>	Parrot Bush	8m					✓		1
<i>Callitris preissii</i>	Rottnest Island Pine	9m	✓	✓	✓	✓	✓	✓	1,2,3
<i>Casuarina obesa</i>	Swamp Sheoak	10m	✓	✓	✓				2
<i>Eucalyptus decipiens</i>	Limestone Marlock	15m					✓	✓	1,2
<i>Eucalyptus foecunda</i>	Fremantle Mallee	5m	✓	✓	✓	✓	✓	✓	1,2,3
<i>Eucalyptus gomphocephala</i>	Tuart	40m					✓		1
<i>Hakea prostrata</i>	Harsh Hakea	3m					✓	✓	1,2
<i>Melaleuca huegelii</i>	Chenille Honeymyrtle	5m	✓	✓	✓				2,3
<i>Melaleuca lanceolata</i>	Rottnest Teatree	8m	✓	✓	✓				2,3
<b>SHRUBS &amp; STRAPPY LEAFED:</b>									
<i>Acacia lasiocarpa</i>	Dune Moses	0.7m		✓	✓		✓	✓	1,2
<i>Allocasuarina humilis</i>	Dwarf Sheoak	2m			✓		✓	✓	1,2,3
<i>Alyxia buxifolia</i>	Dysentery Bush	3m					✓	✓	1
<i>Banksia nivea</i>	Honeypot Dryandra	1.5m				✓	✓		2,3
<i>Conostylis candidans</i>	Grey Cottonhead	0.4m	✓			✓	✓	✓	2,3
<i>Dodonaea aptera</i>	Coast Hop-bush	3.5m					✓		1
<i>Eremophila glabra</i>	Tar Bush	3m			✓		✓		1
<i>Grevillea crithmifolia</i>		2.5m					✓		1
<i>Grevillea thelemanniana</i>	Spider-Net Grevillea	1.5m	✓			✓			2,3
<i>Grevillea vestita</i>		4.5m					✓		1
<i>Guichenotia ledifolia</i>		2m	✓		✓	✓	✓		1,2,3
<i>Leucopogon parviflorus</i>	Coast Beard-heath	5m			✓		✓		1
<i>Melaleuca systena</i>		3m			✓		✓	✓	1
<i>Olearia axillaris</i>	Coastal Daisybush	3m	✓	✓	✓	✓	✓	✓	1,2,3
<i>Scaevola crassifolia</i>	Thick-leaved Fan-flower	1.5m	✓	✓	✓	✓	✓	✓	1,2,3
<i>Spyridium globulosum</i>	Basket Bush	5m			✓		✓		1
<i>Templetonia retusa</i>	Cockies Tongues	4m					✓	✓	1
<b>GROUNDCOVERS:</b>									
<i>Acanthocarpus preissii</i>	Prickle Lily	2m		✓			✓	✓	1
<i>Brachyscome iberidifolia</i>	Swan River Daisy	0.45m	✓			✓			3
<i>Desmodium flexuosus</i>		1.5m					✓		1
<i>Dianella revoluta var. divaricata</i>	Flax Lily	1.5m	✓			✓			2,3
<i>Eremophila glabra prostrate</i>	Prostrate Emu Bush	0.8m	✓	✓	✓	✓			2,3
<i>Ficinia nodosa</i>	Knotted Club Rush	1m	✓	✓	✓	✓			2,3
<i>Grevillea crithmifolia prostrate</i>	Green Carpet	0.6m	✓	✓	✓	✓			2,3
<i>Hemiantha pungens</i>	Snakebush	1m	✓	✓	✓	✓			2,3
<i>Juncus kraussii</i>	Sea Rush	1.2m		✓	✓				1
<i>Lepidosperma gladiatum</i>	Coast Sword-sedge	3m		✓	✓	✓		✓	1,2,3
<i>Lomandra maritima</i>		0.6m			✓				1
<i>Myoporum insulare prostrata</i>	Coastal Carpet	0.6m	✓	✓	✓	✓			2,3
<i>Phyllanthus calycinus</i>	False Boronia	1.2m					✓		1
<i>Rhagodia baccata</i>	Berry Saltbush	2m		✓	✓				1,2
<i>Sarcocornia quinqueflora</i>	Beaded Samphire	0.5m		✓					1
<i>Suaeda australis</i>	Seablite	0.9m		✓					1
<i>Threlkeldia diffusa</i>	Coast Bonefruit	1m		✓					1
<b>CLIMBERS:</b>									
<i>Clematis linearifolia</i>	Clematis linearifolia	5m					✓	✓	1

### NOTES:

1. Species selection is indicative only
2. Species selection is chosen for a managed landscape, chosen for attractiveness, strength of habit/form, 'sense of place' to the North Fremantle foreshore and for their competitive nature.
3. Species chosen for their robustness and resilience in dealing with harsh conditions (within management category and competition)
4. Maximum heights have been taken from Florabase, and indicate the maximum possible height recorded. Species will generally not grow to this height.
5. Species selected have been chosen for the availability and possible cultivation.

### FLORA MANAGEMENT OBJECTIVES:

(Based on J.D. Hitchmough's *Urban Landscape Management*)

1. Maintain a sense of 'naturalness'
2. Perpetuate the visually dominant plant species in the community
3. Minimise the density of weeds and introduced animals
4. Maintain structural diversity in vegetation
5. Maximise faunal carrying capacity
6. Maintain typical diversity of indigenous species in the community
7. Facilitate adequate rates of seedling and other forms of recruitment of indigenous species to provide a stable self-perpetuating vegetation community.
8. Seed collection protocols
9. Reintroduction of previously occurring species to remnant vegetation
10. Reconstruction of indigenous plant communities from scratch
11. Capacity to resist or discourage weed invasion (as priority)

## Appendix 2

### Previous Management Recommendations and their Status

Recommendations through the previous management (1997) plans focused on defined public space areas as well as overall issues. These are as follows.

Subcategory	Recommendation	Status
Geology	1. The City of Fremantle request the Department of Mines and Energy engineers undertake an assessment of the Rocky Bay Cliffs with respect to their stability and provide council with remedial actions.	An inspection and full survey was conducted by Gordon Geological Consultants (G.G.C), for the Fremantle Council in 2010. The report prepared by G.G.C identifies hazards and provides recommendations. (see section GEOLOGY)  GHD have been engaged for a more comprehensive assessment, with recommendations.
Gilbert Fraser Reserve Foreshore	1. Council adopt the provided concept plan (Figure 1) for further development of Gilbert Fraser Reserve Foreshore.	Trails have been demarcated and revegetation of the area has been undertaken and is in the process.
	2. Council to remove existing dead trees.	No trees were removed as the identified trees were not actually dead.
Portside Park	1. Adopt the provided concept plan for the redevelopment of Port Side Park (Figure 2)	No plan has been developed other than what is in the existing Management plan.
	2. Undertake community consultation with adjoining community to seek comments on the proposed concept plan.	No formal consultation was carried out in specifically related to the proposed concept plan
	3. City of Fremantle to adopt the concept plan (Figure 3) for the development of the area. With Cypress Hill being given priority for implementing the concept plan and substantial funds to be set aside in the 1997/98 budget.	
	4. Develop detailed design guidelines for the integration of the adjacent foreshore (Pier 21) considering ground levels, turf, stonewalling, paving materials, furniture and trees and shrubs.	No detailed design guidelines were produced.
Cypress Hill	1. The Heritage trail should be maintained as a foot-worn track. On steep grades where steps are required they should be constructed out of natural limestone materials. On eroding surfaces where stabilisation is required all stabilising material should be made out of natural limestone.	This recommendation has been implemented thus far.
	2. Cypress Hill should be the primary focus for the restoration of Indigenous vegetation and locally extinct species.	This recommendation has been implemented thus far.
	3. Cypress Hill should be the dominant landscape element and all buildings to the west of the Public Open Space sub-dominant to the hill.	This recommendation has been implemented thus far.



Subcategory	Recommendation	Status
	4. Existing trees should be maintained in the adjoining development area and landscaping incentives developed so that proposed dwellings are further integrated into the hill environs	
	5. View scapes from the summit of the hill should be conserved. In particular views to the harbour and the ocean.	View scapes were not conserved as they were not specifically defined; making it difficult to manage whilst complying with SRT regulations. Fremantle Council has identified the need for a view shed analysis to properly define the views so that they can be maintained in equity.
	6. Fences abutting the Public Open Space should be constructed of materials sympathetic to the natural environment, ie. Limestone and constructed in a style which reflects the heritage wall located on the Harvest Road edge of the developable area.	Most fences are on private property and are a variety of materials.
	7. Walls should generally be an open style which allow visual integration with the open space and maximise the perceived and real supervision of the open space, and consequently its ownership by local residents.	Walls at Cypress Hill do not generally follow this recommendation. They are quite high rendered walls.
	8. Access from the proposed subdivision into the public open space should be permitted, but also limited to one or two egress points.	
Lot 320	1. Council adopt the provided concept Plan (Figure 4) for the development area.	
	2. Council liaise with local residents to determine views on the concept plan.	No further formal community consultation has been carried out in relation to the concept plan at Lot 320 since the initial plan was created as part of the previous North Fremantle Foreshore Management Plan (1997)
	3. Signage in the area be rationalised to minimise visual discordance, yet provide essential information.	Starting 2012, the Fremantle Council has endeavoured to reduce signage in the area and make signage more concise, particularly in relation to the cliff face hazards.
Cypress Hill to Lot 320	1. Council develop a concept plan for the area which considers access points to trails, fire fighting access, view nodes, seating, regeneration of native vegetation, fencing styles, trees and views, user safety and interpretation.	A concept plan for the area has not been developed.
	2. Council maintain the Heritage Trail in this area as a natural footworn path. Where stabilisation or steps are required, that this be done with a limestone material.	The heritage trail has been maintained, however no stabilisation works have carried out.
	3. Council involve the local community (particularly adjoining landowners) in the preparation of the Concept Plan.	No formal community consultation has been carried out to inform the development of a concept plan for this area.
Rocky Bay Embankment	1. Council liaise with residents of Rocky Bay Estate and relevant community interest groups to determine a strategy which reduces conflicts between views and vegetation growth associated with the embankment.	

Subcategory	Recommendation	Status
P.O.S Rocky Bay Estate Stage 2	1. Council liaise with Landcorp to investigate options for access to the river's edge and changing orientation of the jetty.	Local residents were very active in trying to achieve funding and engineering clearance for such access. However, the efforts were unsuccessful.
	2. Council liaise with the town of Mosman Park and determine regional and local access requirements and opportunities to the water's edge between Minim Cove and Rocky Bay Beach.	No discussion has been undertaken between Fremantle Council and the Town of Mosman Park in relation to determining regional and local access requirements and opportunities to the area indicated.
	3. Council prepare a landscape concept plan for the park, with input from the local community and special interest groups.	No concept plan has been developed for this area.
Carparking Facilities	1. Council develop a concept plan for the Heritage Trail between Harvest Road and Rule Street, considering alignment, safety, stairs and handrails and access to adjoining streets.	No concept plan has been developed for this area.
	2. Council ensure paving style is consistent in form, colour and texture between harvest Road and Gilbert Fraser Reserve.	Paving style does not remain consistent in this area.
Park Equipment	1. Council prepare a park equipment strategy and design guidelines for the North Fremantle foreshore. This strategy should consider shelter, seating, play equipment, drinking fountains and barbeques.	No park strategy and design guidelines have been developed.
Signage	1. Council develop a signage and interpretation plan for the North Fremantle foreshore.	A strategy for the entire foreshore has not been produced; however, a brochure specifically for the Rocky bay Heritage Trail has been developed.
Artworks	1. Council continue to develop artwork projects on the foreshore which reflect the cultural and biophysical features of the area. A priority area for future artworks should be the public open space at Rocky Bay Estate (former State Engineering Works)	No artwork projects have been developed other than the Milestones project- a community driven art project undertaken in cooperation with rocky bay and local artists to provide milestone signage along the Rocky Bay Heritage Trail.
Fire Control	1. Devise and implement a Fire Watch Program through liaison with the Fire and Rescue and particularly local Fire Brigade Stations. The program should incorporate the following DFES responsibilities: <ul style="list-style-type: none"> <li>• A Fire Response Plan which divides the foreshore into sectors and which clearly sets out access and water points;</li> <li>• Clear expression of the priorities for protection;</li> <li>• Encouragement of foreshore users and neighbours as active participants;</li> <li>• Distribution of the Fire Response Plan and relevant information on its use to local residents and regular park users; and</li> <li>• Notification procedures in the event of a wildfire.</li> </ul>	DFES provides an annual fire response plan which identifies any risks that can be addressed by the City. An actual fire watch program addressing the points outlined above has not yet been devised.
	2. Aim to suppress any spot fires in the foreshore as quickly as possible and to confine them to as small an area as possible.	This is a shared responsibility between DFES and City of Fremantle.
	3. External water sources should be available at all residences and buildings adjoining the foreshore.	



Subcategory	Recommendation	Status
	4. Maintain trafficable vegetation for one meter either side of the pathways for access by emergency fire fighting personnel and equipment.	Undertaken
	5. Reduce fire loads by the implementation of weed control and bushland regeneration programmes.	Undertaken
	6. Monitor fuel loads in fire threat areas so that if fuel loads increase above accepted levels manual fuel reduction measures should be undertaken.	Undertaken in conjunction with DFES
	7. Maintain a record of the date, cause and impact of all fires in the study area, including a map of the area burnt.	
Weed Control	1. The City of Fremantle develop a detailed weed control program. This program should target weed control in good areas of bushland first, i.e. Cypress Hill. So that those areas are consolidated. Also, consideration should be given to primary and secondary weeding of some of the major weed species and common nuisance species. Weed control programs will need to be developed for bushland restoration test sites.	No detailed weed program was developed beyond what was outlined in the previous North Fremantle Foreshore Management Plan.
	2. Train community volunteers in bush regeneration techniques so that they can contribute to effective weed control, particularly through hand weeding and other non-chemical methods.	No formal training of community volunteers was undertaken by the Fremantle Council.
	3. Notify the public prior to spraying of weeds in the study area. To date, the public is notified prior to any spraying of weeds in the area.	
	4. Notify adjacent residents and the public of the impacts and illegality of dumping garden refuse in the study area.	No formal notification has been carried out.
	5. Ensure weed control contractors have adequate training and experience in working in bushland areas.	Fremantle Council ensures their contractors have the appropriate expertise and training.
Bushland Restoration	1. A detailed bushland restoration implementation plan that sets out plant numbers, species and techniques be developed.	No detailed bushland restoration plan was developed beyond what was outlined in the previous North Fremantle Foreshore Management Plan.
	2. Prioritise restoration areas so that existing plant communities are consolidated	In some cases Fremantle Council has consolidated plant communities.
	3. Involve the Friends of North Fremantle Foreshore and community volunteers in the restoration process	The community were not involved in the restoration process and current understanding is that 'Friends of the North Fremantle Foreshore' no longer exists.

Subcategory	Recommendation	Status
	4. All revegetation programs should only use local seed or propagation material, where available.	Fremantle council sources stock from APACE. However, council has indicated that where most revegetation takes place (Prawn Bay) the soils are dredged, making them unsuitable for a variety of local species. This is not addressed in the current management plan. The fact that fire is non-existent in this area is also not mentioned in regards to regeneration of naturally fire sensitive and tolerant species. Due to the soils at this site, natural regeneration of a suite of local species is most likely un-achievable given the City's resources. Continual management of revegetation is probably the most achievable method.
	5. Contract specialist revegetation nurseries (which are accredited dieback free) to grow seedlings needed in revegetation programs.	The source nursery (APACE) is a specialist revegetation nursery.
	6. Prepare an inventory of restoration work undertaken on the foreshore	No formal inventory of restoration work has been compiled.
	7. Establish a monitoring programme to determine the effectiveness of restoration efforts	At Prawn Bay, revegetation and weed control is monitored.



## Appendix 3

### Public Open Space Data

Reserve Name	Reserve #	Tenure	Lot #	Subtotal Area (m <sup>2</sup> )	Total Area (m <sup>2</sup> )
Rocky Bay Reserve	7077	CoF	500	178	
			447	25980	26158
Cypress Hill		WAPC	20-30	5755	5755
Point Direction Reserve	43707	CoF	431	1724	
	43936	CoF	766	766	2490
North Fremantle Foreshore	49288	CoF	505	2871	
			506	2306	5177
John Street	46285	CoF	510		65
North Fremantle Foreshore and Prawn Bay	36420	CoF	30	15853	
			112	2036	17889
Stirling Bridge Approach	33051	CoF	338		2362
Sorrell Park	44659	CoF	483	3368	
			484	84	
	44588	CoF	482	6259	9711
Fremantle Bridge Park		Road reserve	405		
East Street Jetty	37088	CoF			2012
<b>Total</b>					<b>70012</b>







# Appendix 4

## FESA Fire Callout Records



Government of **Western Australia**  
Fire & Emergency Services Authority



### North Fremantle Foreshore

Fire Callouts  
01/01/2001 to 19/06/2012

Incident No	Incident Date/Time	Description	Address
<b>26686</b>	11/05/2001 1:12:54PM	Other Incident (Includes False Alarm)	HARVEST RD NORTH FREMANTLE
Primary Brigade:	CLAREMONT FRS	Action Taken: Investigation only	NR THE OLD WHEATBIX FACTORY
<b>Summary Comments:</b>			
<b>3728</b>	28/08/2001 4:05:42PM	Property Fire	HARVEST RD NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	
<b>Summary Comments:</b>			
<b>7898</b>	28/10/2001 2:50:26AM	Bush/Grass/Rubbish Fire	BINNS CT NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	WALKWAY
<b>Summary Comments:</b>			

Incident No	Incident Date/Time	Description	Address
<b>10368</b>	20/11/2001 11:08:37PM	Bush/Grass/Rubbish Fire	JOHN ST NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	PIER 21 RESORT
<b>Summary Comments:</b>			
<b>11031</b>	27/11/2001 2:04:35PM	Bush/Grass/Rubbish Fire	JOHNSON PDE MOSMAN PARK
Primary Brigade:	CLAREMONT FRS	Action Taken: Extinguish	BEHIND IONA COLLEGE NR THE CANOE CLUB
<b>Summary Comments:</b> <i>urban parkland urgently requires a pathway through the centre for access. water main and hydrant near cnr view tce and johnson is badly terburculated and water volume and pressure was very poor.</i>			
<b>24382</b>	13/04/2002 4:25:22PM	Property Fire	JOHN ST NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Investigation only	GILBERT FRASER OVAL
<b>Summary Comments:</b> <i>Smouldering fire in cavity, possibly caused by discarded cigarette, extinguished by grandstand spectator occupants with water prior to arrival of Fire and Rescue service.</i>			
<b>787</b>	16/07/2002 11:28:42AM	Other Incident (Includes False Alarm)	JOHANNAH ST NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Investigation only	
<b>Summary Comments:</b>			



Incident No	Incident Date/Time	Description	Address
<b>7349</b>	30/10/2002 5:15:45AM	Bush/Grass/Rubbish Fire	JOHN ST NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	
<b>Summary Comments:</b>			
<b>8414</b>	13/11/2003 2:02:37PM	Bush/Grass/Rubbish Fire	HARVEST RD NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	
<b>Summary Comments:</b>			
<b>10862</b>	11/12/2003 11:05:11PM	Bush/Grass/Rubbish Fire	JOHANNAH ST NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	
<b>Summary Comments:</b> On arrival found tree burning in park next to Swan River. Classified as 1st Alarm scub and extinguished with hose reel.			
<b>13913</b>	12/01/2004 8:11:51PM	Bush/Grass/Rubbish Fire	RULE ST NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Investigation only	
<b>Summary Comments:</b>			
<b>73208</b>	1/04/2007 2:23:59PM	Bush/Grass/Rubbish Fire	JOHNSON PDE MOSMAN PARK
Primary Brigade:	CLAREMONT FRS	Action Taken: Extinguish	
<b>Summary Comments:</b>			

Incident No	Incident Date/Time	Description	Address
<b>352</b>	4/02/2008 4:13:14PM	Bush/Grass/Rubbish Fire	HARVEST RD NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	
<b>Summary Comments:</b>			
<b>2008</b>	24/02/2008 10:41:50AM	Bush/Grass/Rubbish Fire	RULE ST NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	
<b>Summary Comments:</b> <i>Paper in cave set alight.Deliberate</i>			
<b>12997</b>	13/07/2008 5:40:53PM	Bush/Grass/Rubbish Fire	RULE ST NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	
<b>Summary Comments:</b>			
<b>101464</b>	9/08/2008 1:40:50PM	Bush/Grass/Rubbish Fire	HARVEST RD NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	
<b>Summary Comments:</b> <i>Extinguished 2 seater lounge located outside unit 1, 15 Harvest Rd North Fremantle. Fire started due to visitor Jackson Jose (friend of unit 1 occupant) falling asleep on lounge located at front of property in parking area, whilst smoking. It was reported that the owner of lounge had discarded it, and had previously been asked to remove it from the front of the property. Occupant of unit 2 was not on site to verify ownership. Requested Comms Centre to notify Homeswest to ensure lounge is removed.</i>			



Incident No	Incident Date/Time	Description	Address
<b>103458</b>	6/09/2008 12:22:39AM	Bush/Grass/Rubbish Fire	HARVEST RD NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	
<b>Summary Comments:</b>			
<b>114402</b>	19/01/2009 11:09:00PM	Bush/Grass/Rubbish Fire	JOHNSON PDE MOSMAN PARK JABE DODD PARK
Primary Brigade:	CLAREMONT FRS	Action Taken: Extinguish	
<b>Summary Comments:</b>			
<b>116787</b>	14/02/2009 12:27:05PM	Property Fire	JOHN ST NORTH FREMANTLE H JETTY
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	
<b>Summary Comments:</b>			
<b>123273</b>	3/05/2009 9:35:08PM	Bush/Grass/Rubbish Fire	RULE STREET NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	
<b>Summary Comments:</b> Extinguished fire on riverbank below cliffs at Rocky Bay.			
<b>126389</b>	8/06/2009 11:02:02AM	Other Incident (Includes False Alarm)	HARVEST RD NORTH FREMANTLE REAR OF NORTH FREMANTLE BOWLING CLUB
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	
<b>Summary Comments:</b>			

Incident No	Incident Date/Time	Description	Address
191856	6/10/2011 5:28:02PM	Bush/Grass/Rubbish Fire	RULE STREET NORTH FREMANTLE BELOW OLD SOAP FACTORY
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	
<b>Summary Comments:</b> Located fire in cave on cliff face near Rocky Bay, Swan River. Found male occupant of cave, Mr Robert Bradshaw, being responsible for campfire. Fire was extinguished using a shovel with sand. Mr Bradshaw agreed not to reignite the fire.			
194778	16/11/2011 5:48:46AM	Bush/Grass/Rubbish Fire	JOHANNAH ST NORTH FREMANTLE
Primary Brigade:	FREMANTLE FRS	Action Taken: Extinguish	
<b>Summary Comments:</b> little camp fire lit by some adults.			
<b>Total Number of incidents</b>		<b>23</b>	

Report Criteria:

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EXTERNAL USE APPROVED

The information contained within this report will be published and available to individuals or organisations outside of FESA. The data contained in the report has been fully checked and Quality Assured by the Operational Information Systems Unit.



# Appendix 5

## Community Engagement Session Comments

Source	Comment Type	Site	Comments	Mgmt. Category	Arrow on PIN	Referenced Area ( General)
Post-it Notes						
PIN	Values	Cypress Hill	Walking Goat Track Great (part of heritage trail) Remain that way.	Access		
PIN	Values		Something for everyone to enjoy			
PIN	Values		Sandy Beach			
PIN	Concerns		The heights and density of trees blocks out many signs	Views, Vegetation, Signage		
PIN	Concerns		this path at all hours	Access		
PIN	Concerns	SEW Park/ Rocky Bay	South side- trees have grown too tall and now blocking my winter sun.	Vegetation		
PIN	Visions	Rocky Bay	A new seat above Rocky Bay- old one has been moved and is falling over	Amenities		
PIN	Visions		Bike Path from Freeo to north freeo boardwalk?	Access		
PIN	Visions		Keep the area dog friendly			
PIN	Visions	SEW Park/ Rocky Bay	Somewhere to have a coffee	Amenities	n	
PIN	Concerns		Great beach however water is coming over and flooding behind the sand and putting rubbish in the reeds		y	Harvey Beach
PIN	Visions		Artwalk along Foreshore walkway + Info North Fremantle. * Better Signage	Views, Vegetation, Signage	n	Gilbert Fraser Reserve
PIN	Values		Really enjoy the character of the dinghies on the foreshore & its historic relationship. Agree with this ( ref. Another PIN) don't ban the dinghies	Amenities	n	Harvey Beach
PIN	Visions		Coffee Kiosk- not a large restaurant - a place for coffee and cake	Amenities	n	Gilbert Fraser Reserve
PIN	Concerns		Area feels too private	Amenities	y	Sorrell Park
PIN	Visions		* better connection to Queen Victoria St from Foreshore	Access	n	Sorrell Park
PIN	Concerns		Only access to Queen Vic	Access	y	Sorrell Park
PIN	Visions		Keep this area still OK for dogs "off" the lead- our dog learned to swim here + loves it	Amenities	y	Prawn Bay / Harvey Beach
PIN	Visions		Maintain Prawn Bay	Views, Vegetation, Signage	n	Prawn Bay / Harvey Beach
PIN	Visions		Maintain vegetation and check for falling rocks in Harvest Road	Views, Vegetation, Signage	n	Harvest Road
PIN	Visions		North Fremantle Community Consultation Event on an annual basis	Amenities	n	
PIN	Visions		New Cabanas - architectural	Amenities	n	
PIN	Visions	SEW Park/ Rocky Bay	Bollards @ SEW Park	Amenities	n	SEW Park
PIN	Visions	SEW Park/ Rocky Bay	BBQ @ SEW Park - Solar Light without cutout time	Amenities	n	SEW Park
PIN	Visions	SEW Park/ Rocky Bay	STOP KILLIG BUNNIES	Amenities	n	
PIN	Visions	Cypress Hill	Defined access - Cypress Hill- Boat tracks to be stabilised and formalised	Amenities	n	Cypress Hill
PIN	Visions		Maintain the health of the mature vegetation along the cliffs	Views, Vegetation, Signage	n	
PIN	Visions	Johannah St Reserve	Mature wood seating like at Prawn Bay along Johanna St Reserve	Amenities	n	Johannah St Reserve
PIN	Visions		Would like to see Planning and Development re-evaluations implemented to ensure containment of boat Moorings	Amenities	n	
PIN	Visions		Art Sculpture walk with local Artists	Amenities	n	
PIN	Concerns		Harvey Beach. Disgracefully neglected <u>no</u> regular maintenance - contrast with Sorrell Park!	Views, Vegetation, Signage	n	Harvey Beach
PIN	Visions	Harvey Beach	Slow Speeding Boats down	Views, Vegetation, Signage	n	Harvey Beach
PIN	Visions	Johannah St Reserve	Removal of vegetation fence along river Johanna St Foreshore Reserve	Amenities	n	Johannah St Reserve
PIN	Visions	Rocky Bay	Viewing + picnic spots to keep families out together in Harvey + Rocky Bay areas	Amenities	n	Rocky Bay and Harvey Beach
PIN	Visions	Rocky Bay	Aust Day in Rocky Bay	Access	n	Harvey Beach
PIN	Visions		Rivershores - no retaining walls	Access	n	
PIN	Visions		Parking	Access	n	
PIN	Visions	Cypress Hill	Seats returned at Cypress above the stair- go at track	Amenities	n	Cypress Hill
PIN	Visions		Certainly no more rocks on foreshore	Views, Vegetation, Signage	n	
PIN	Visions	Cypress Hill	take out inappropriate planting (given by council) on Cypress Hill	Vegetation	n	Cypress Hill
PIN	Visions		some community care of places/ ie wedding, bees	Amenities	n	
PIN	visions	Cypress Hill	We need more views on top of Cypress. Was originally as a place- no longer railway access - to limit	Views, Vegetation, Signage	n	Cypress Hill
PIN	Concerns		I like Harvey Beach- Oliver.	Access	n	Railway
PIN	Values	Cypress Hill	The ladder on the end of the picr mends fixing - bottom rung is missing!	Amenities	n	Harvey Beach
PIN	Visions	Cypress Hill	More reference to indigenous culture	Amenities	n	
PIN	Visions		Less grass more revegetation!	Vegetation	n	Whole foreshore
PIN	Visions		All river edges revegetated	Vegetation	n	Whole foreshore
PIN	values	Cypress Hill	We love Harvey Beach	Amenities	n	Harvey Beach
PIN	Visions		Harvey Beach- better maintenance of picnic pergolas would be great - more places to sit would also be useful- ? Fencing between perigolas?	Amenities	n	Harvey Beach
PIN	Values	Cypress Hill	Value the beach. Walking all day	Amenities	n	Coastal Area
PIN	Visions		Bike access link through fire runs race?	Access	n	
PIN	Visions		Clear responsibility for maintenance of waterfront - city of Freeo vs Swan River Trust	Views, Vegetation, Signage	n	Whole foreshore
PIN	Visions	SEW Park/ Rocky Bay	No need for physical fence but a natural fence of shrubbery .			
PIN	Visions	Rocky Bay	Bring back bulk food/ organic coops/community garden	Views, Vegetation, Signage	n	SEW Park / Rocky Bay
PIN	Visions		A bike path connecting from water police around river to connect with APACE bike path	Vegetation	n	Prawn Bay / Sorrell Park
PIN	Visions	Rocky Bay	We would like to see some access to the river for Kayaks.	Access	n	Johannah St Reserve/ Harvey Beach
PIN	Visions	Rocky Bay	Urban food coop (community produce garden)	Access	n	Rocky Bay
PIN	Visions		Bike and pedestrian access to QV Street	Vegetation	n	Prawn Bay / Sorrell Park
PIN	Visions	Rocky Bay	Board walk!	Access	n	Street
PIN	Visions	Rocky Bay	Turn seats to face eachother - table between them	Amenities	n	John St Reserve
PIN	Visions	Rocky Bay	More elements / community farm	Vegetation	n	
PIN	Visions	Rocky Bay	Use designed landscape to promote social benefits	Amenities	n	Prawn Bay / Sorrell Park
PIN	Visions	Rocky Bay	Continuous path to Fremantle ( from North Fremantle)	Amenities	n	Whole Foreshore
PIN	Visions		Balance between Nature and man-made Amenities	Amenities	n	Whole Foreshore
PIN	Visions	Rocky Bay	Access- keep similar to Milo Beach	Views, Vegetation, Signage	n	
PIN	Visions	Rocky Bay	Shade at SEW park between benches	Access	n	Whole Foreshore
PIN	Visions	Rocky Bay	More regular maintenance required	Amenities	n	SEW Park / Rocky Bay
PIN	Visions	Rocky Bay	Steps to water with boardwalk enabling fishing, swimming etc @ lot 320	Views, Vegetation, Signage	n	Whole foreshore
PIN	Visions	Rocky Bay	Encourage family and kids use of lot 320 * expect that community accepts responsibility	Amenities	n	Rocky Bay
PIN	Visions	Rocky Bay	Connect for pedestrian access - great potential for beautiful lookout on walkway.	Amenities	n	
PIN	Visions	Rocky Bay	Keep the river as natural as possible	Amenities	y	SEW Park / Rocky Bay
PIN	Visions	Rocky Bay	Keep the foreshore walk open & easily connected	Views, Vegetation, Signage	n	Sew Park / Whole Foreshore
PIN	Visions		Bring Something closer to the water-easier access to the river is required	Access	n	Whole Foreshore
PIN	Visions	Rocky Bay	Coffee shop! - Such a coffee culture here but no where to engage with Community!	Amenities	n	Rocky Bay
PIN	Values		Maintenance of Shelters	Amenities	n	Whole Foreshore
PIN	Values	Rocky Bay	Character of the river- ws the initial appeal for residency	Views, Vegetation, Signage	n	Rocky Bay
PIN	Values		Connectivity between sea and river safe walkway	Access	n	
PIN	Visions	Rocky Bay	Maintain the views from the paths above Rocky Bay, many people use this area to watch the dolphins and osprey - requires height maintenance of shrubs	Views, Vegetation, Signage	n	Rocky Bay
PIN	Visions	Johannah St Reserve	Retain the natural foreshore line of Johanna St Foreshore Reserve. Do NOT extend moorings south of pier 21.	Views, Vegetation, Signage	n	Rocky Bay / Sorrell Park
PIN	Concerns		Values lost- History lost - Jetty turned into Marina	Amenities	n	General
PIN	Visions		Want rare walking path to ocean	Amenities	n	Rocky Bay / Inland
PIN	Visions	Johannah St Reserve	Don't increase parking at Johanna St	Amenities	n	
PIN	Visions	Johannah St Reserve	Bike path connection would be good but should not impact the vegetated areas.	Access	n	Johannah St Reserve

PIN	Visions	Johannah St Reserve	No launching ramp would have impacts on sand movement and potential impacts to seagrass habitat	Access	n	Johannah St Reserve
PIN	Values	Rocky Bay	The View	Amenities	n	General
PIN	Values	Rocky Bay	Waters edge - amazing - Swimming & kids	Amenities	n	General
PIN	Concerns	Rocky Bay	River views which lead to the concern = why block the views with gums?	Amenities	n	General
PIN	Visions	Cypress Hill	Better access around cypress hill	Access	n	Harvey Beach
PIN	Values	Cypress Hill	I love Harvey Beach - Its great summer & winter	Amenities	n	Harvey Beach
PIN	Visions		Park along the cliff front needs to be maintained. Its lovely to walk along	Amenities	n	General
PIN	Values		Prawn Bay!	Amenities	n	Johannah St Reserve / Prawn Bay
PIN	Visions		Boar walk in areas of Fragility?	Access	n	
PIN	Visions	Rocky Bay	Maintenance- team of volunteers	Vegetation	n	Whole foreshore
PIN	Visions	Rocky Bay	Walk is great but maintain foreshore walk - don't let it erode	Access	n	SEW park / Rocky Bay
PIN	Visions	Rocky Bay	Continued access- don't let management plans reduce it	Access	n	General
PIN	Visions		Removal of rubbish- concrete rubble from this area ( in the water ) would improve recreational use of this beach	Amenities	n	Harvey Beach
PIN	Visions	Cypress Hill				
PIN	Visions	Cypress Hill	Retain natural shoreline - retain dinghys, remove rocks on beach ( the others placed to prevent erosion), implement a "no wash zone" in this stretch of river.	Amenities	n	Harvey Beach
PIN	Visions	Cypress Hill				Harvey Beach / John ST Reserve
PIN	Visions	Cypress Hill	Give people especially kids access to jettys for fishing	Access	n	Whole foreshore
PIN	Visions	Cypress Hill	Want to be able to ride SAFELY to Fremantle on a bike path	Access	n	General
PIN	Concerns	Cypress Hill	Public Toilets - Lack of?	Amenities	n	Harvey Beach
PIN	Visions	Cypress Hill	Dog control at Harvey Beach. No fishing enforced.	Amenities	n	General
PIN	Visions		Under trees more benches with nice views - wooden! ( metal very uncomfortable)	Amenities	n	Whole foreshore
PIN	Visions		Don't mess with it too much - we want the "honey" feel to remain	Amenities	n	Whole foreshore
PIN	Visions		Stop removing beach from this area. Sand will naturally accrete here + will keep doing so. People swim off this bank + children play on the beach	Access	n	General
PIN	Visions		Tidal aspect needs to be preserved	Views, Vegetation, Signage	n	
PIN	Values		I love that dogs can walk freely in some parts- please extend to all foreshore	Access	n	Whole Foreshore
PIN	Values		We value the open grassed areas ( which are maintained at cost by residents) Why - residents love the unrestricted grass space for child play/recreation and open river views.	Amenities	n	General
PIN	Values	Rocky Bay	The original Rocky Bay Development promised views forever- this is valued and needs to be maintained	Views, Vegetation, Signage	n	Rocky Bay / General Area
PIN	Visions		Swim/Shade, Kids swimming ....all in one!	Amenities	n	Whole Foreshore
PIN	Visions		Identify sites where a few large trees can go	Amenities	n	
PIN	Visions		Easy paddle access, can carry ski a short distance from carpark to sandy beach, no steps, rocky banks or walls	Amenities	n	
PIN	Visions		Don't privatise the river foreshore anymore	Amenities	n	
PIN	Visions		Reveg the river edge!! .More access to river * fenced paths keep people off reveg, sculpture Artwalk along riverwalk	Amenities	n	Whole Foreshore
PIN	Visions		No more Marina's! No more boats! Keep rivers edge for public land	Amenities	n	
PIN	Values		Sandy Beach	Amenities	n	
PIN	Concerns		Council do not near enough maintenance			
PIN	Visions		Public wooden furniture - native vegetation	Amenities and Vegetation	n	Whole Foreshore
PIN	Visions		good connection with Pedestrian pram - bike, streets, public jetties, swimming areas should have more amenities ( not over designed... informal) with shade trees	Amenities and Vegetation	n	Whole Foreshore
PIN	Visions		Coffee shop around Northbank?	Amenities	n	General
PIN	Visions	Cypress Hill	Area needs attention - people walk everywhere- reveg.	Access	y	General
PIN	Concerns		Remove the Dinosaur skeleton ! These rocks have achieved nothing except ruin our sandy shoreline ! The issue is not controlling corrosion , it is re-creating the beach	Amenities	n	
PIN	Visions		How do you future-proof the Foreshore from any development?	Views, Vegetation, Signage	n	Whole Foreshore
PIN	Concerns	Johannah St Reserve	Parking at the ned of Johanna St needs to be addressed	Access	n	Johannah St Reserve
PIN	Visions		Leave as much of natural vegetation as possible	Vegetation	n	Whole Foreshore
PIN	Visions		Clearly indicate (sign with map) dog exercise area; DON'T bait rabbits in dog exercise area	Amenities	n	General
PIN	Visions		Better bike access to Northbank foreshore from fremantle traffic bridge- dangerous crossing to / from bike lane on bridge + poor access to foreshore. Possible path under bridge?	Access	n	Sorrell Park /Johannah St Reserve
PIN	Visions			Access	n	
PIN	Concerns		Too many unply dogs running amok - harrassing young children & seabirds. Also dogs run off and their owners don't pick up the dog's droppings.	Amenities	n	General
PIN	Concerns	SEW Park/ Rocky Bay	SEW PARK - A park on the river's edge - not even a glimpse of the river!	Views, Vegetation, Signage	n	SEW Park / Rocky Bay
PIN	Concerns	Johannah St Reserve	Sorrell Park - Jarrah Furniture full of splinters' same in SEW park ! ) Dogs not on leash- a danger to young children, 2 Rubbish bins ; a health concern. ( wrong position)	Amenities	n	Sorrell Park
PIN	Visions		Make Channel around island in Prawn Bay deeper to allow fish to come in and be seen from the bridge.	Access	n	Prawn Bay
PIN	Visions		Seats/ Limestone walls to sit on and gaze over the river. There's a nice wavy one at the end near Freo T. Bridge.	Views, Vegetation, Signage	n	General
PIN	Concerns		A much higher level of maintenance is needed on the Jarrah furniture + bridges. Ditto for the concrete paths - the inserts are constantly breaking due to poor quality replacement concrete.	Access	n	General
PIN	Concerns		Vegetation needs more constant control/ upkeep. lovely when done	Vegetation	n	Whole Foreshore
PIN	Concerns		To preserve views residents do not wish to have plantings in these grassed areas.	Views, Vegetation, Signage	n	Whole Foreshore
PIN	Concerns		Speed Cameras needed to police boat speeding causing excessive boat wash damaging shore lines + vegetation	Amenities	n	General
PIN	Concerns		Fencing at foreshore with ugly white plastic tops + picket .it was meant to be impermanent.	Views, Vegetation, Signage	n	General
PIN	Visions		Remove the hideous visual temporary!!! Fence of straw pickets with white plastic tops & heavy pine poles.	Views, Vegetation, Signage	n	General
PIN	Concerns		Can't fish at Harvey Beach - family fish yacht	Amenities	n	Harvey Beach
PIN	Concerns		Local council should be checking sense of place for the local area	Amenities and Vegetation	n	
PIN	Visions		Trees on corners of every boundary	Vegetation	n	
PIN	Visions		Replace log cabins as vagrants sleep here often.	Access	n	
PIN	Visions	Cypress Hill	In the islands on Prawn Bay I want more sticks and trees and more animals. And a skate park.	Amenities	n	Prawn Bay
PIN	Visions		Boardwalk	Amenities	n	General
PIN	Visions		Beach Access	Access	n	
PIN	Visions	SEW Park/ Rocky Bay	Improve lookout, better connection with water - nicer materials	Views, Vegetation, Signage	n	SEW Park / Rocky Bay
PIN	Visions	Johannah ST Reserve	Try to get route under bridge			
PIN	Visions	SEW Park/ Rocky Bay	Needs some grass verge removed for parking.	Parking		SEW Park/ Rocky Bay
PIN	Visions		Garden bed too heavily planted. More plants and trees needed on south side to protect from prevailing cold winds	Vegetation		SEW Park/ Rocky Bay
PIN	Concerns	Rocky bay	Density of shrubs along fences is a danger to households ( Fire, burglars), obstructs views for public and residences	Vegetation, views		Rocky Bay
PIN	Visions	General	More community events in park	Community		General
PIN	Visions	Rocky Bay	Allowing residents to prune and maintain garden beds. Bush without penalty and with insurance.	Community		Rocky bay
PIN	Visions	General	Make paths wider	Access		General
PIN	Visions	General	Line marking on paths- speed limits, use bell etc	Access		General
PIN	Visions	General	Bollards to stop scooters and motorbikes on bike paths	Access		General



PIN	Visions	General	Some new areas that encourage community participation & harmony	Community	General
PIN	Visions	General	More beaches jumping rocks, cliff to jump off need a stricter agenda for CC. Realistic possibilities open for discussion. Avoid SRT vito powers over development ideas.	Recreation	General
PIN	Visions	General	Public views to be maintained: Framed by trees. Can't see view from seats because of overgrown shrubs		
PIN	Visions	Rocky Bay	Higher wall to exclude boat wash from pulling out sand.	Vegetation, views	Rocky Bay
PIN	Visions	Harvey Beach	Jetty requires maintenance	Amenity maintenance	Harvey Beach
PIN	Visions	Harvey Beach	Boat wash erosion not enforced. 8km/hr still makes huge wash from very powerful and large boats		
PIN	Visions	Johannah St Reserve	Remove suckering Acacias (A. Rostellifera). Cypress Hill menat to be 'view spot' not 'bush spot' Revisit old plans	Erosion control	Johannah St Reserve
PIN	Visions	Cypress Hill	Dolphins disappearing	Vegetation, views	Cypress Hill
PIN	Visions	Johannah St Reserve	Planting of second generation species- acacias nearing end of use- by date.	Natural Ecologies	Johannah St Reserve
PIN	Values	Cypress Hill	Goat tracks	Access	Cypress Hill
PIN	Visions	Cypress Hill	Don't remove goat tracks- just stabilise sensitively and consolidate	Access	Cypress Hill
PIN	Visions	Rocky Bay	Thin out dense stands of trees so public can return to old picnic spots no longer used because of drugies spending nights camping in secluded bush on cypress hill	Vegetation, Views, antisocial behaviour	Cypress Hill
PIN	Visions	Harvey Beach	Annual allocation of maintenance money for this site	Amenity maintenance	Harvey Beach
PIN	Visions	Rocky Bay	paths eroding- fall issues-	Access	Rocky Bay
PIN	Visions	Rocky Bay	maintain shrubs to stop path falling away	Access	Rocky Bay
PIN	Visions	Rocky Bay	Boardwalk	Access, Amenity upgrade	General
PIN	Visions	General	Group planting of trees- leave other areas open	Vegetation, views	General
PIN	Visions	General	Removal of independent community gardens	Community	General
PIN	Visions	General	Native vegetation wildlife corridor to encourage fauna diversity	Natural Ecologies	General
PIN	Concerns	Johannah St Reserve	Prawn Bay rocks are horrible	Amenity	Johannah St Reserve
PIN	Concerns	Johannah St Reserve	Dog walkers education- heliath hazard of poo	Amenity	Johannah St Reserve
PIN	Concerns	Johannah St Reserve	Rock wall is an issue	Amenity	Johannah St Reserve
PIN	Concerns	Cypress Hill	Sand levels dropping along goat tracks	Access	Cypress Hill
PIN	Visions	Cypress Hill	Rehabilitate goat tracks	Access	Cypress Hill
PIN	Visions	Rocky Bay	Define where caves are	Heritage, access management	Rocky Bay
PIN	Visions	Johannah St Reserve	Prawn Bay needs to be flushed as it is not working	Amenity	Johannah St Reserve
PIN	Values	John St Reserve	Keith (resident of 13 John St) manages and works solely on the care of Pier 21- River Front area. Should be highly commended	Amenity	John St Reserve
PIN	Concerns	John St Reserve	Amphitheatre 'privatised' by Mooring apartments. No longer used or maintained. Built but intent not protected. Sense of place story telling Jack Kent.	Amenity	John St Reserve
PIN	Visions	John St Reserve	Maintain amphitheatre- Community events	Amenity upgrade, community	John St Reserve
PIN	Values	General	Cross section of people- all came to North Framtiple for environment of area	Community	General
PIN	Values	General	Dogs as normaliser between individuals and groups	Community	General
PIN	Visions	John St Reserve	Some (few) Shade trees for picnics near the moorings	Vegetation, shade	John St Reserve
PIN	Visions	General	Consolidate toilets, consider enviro toilets.	Amenity upgrade	General
PIN	Concerns	General	"people get the idea that they own the views"	Community	General
PIN	Visions	Rocky Bay	Define developable portions of lot 320	Development	Rocky Bay
PIN	Visions	Rocky Bay	Quality of management to be improved across the board	Vegetation management	Rocky Bay
PIN	Values	General	Public views celebrate the river	Views	General
PIN	Concerns	Rocky Bay	Fears of SRT after trying to tidy up CoF messy tree management	Vegetation, views	Rocky Bay
PIN	Concerns	Rocky Bay	No longer nurture vegetation growing/ planned on boundaries if they will just grow huge and block views	Vegetation, views	Rocky Bay
PIN	Visions	Rocky Bay	Remove fences as vegetation is doing the job of stopping access now	Vegetation, views, access, amenity	Rocky Bay
PIN	Concerns	Rocky Bay	Lack of maintenance and weed control on river banks. Shrubs dying from underneath. Natives need care- bustline, pruning for longevity	Vegetation management	Rocky Bay
PIN	Visions	Rocky Bay	Beach access in several locations for families	Access	Rocky Bay
PIN	Visions	Rocky Bay	Trees now too dense- everyone enjoys looking at the river as they walk, ride etc.	Vegetation, views	Rocky Bay
PIN	Visions	Rocky Bay	Access to river from Sewell Park	Access	Rocky Bay
PIN	Concerns	General	Anger at Freo council- no response or concerns about local problems and complaints.	Community	General
PIN	Concerns	General	Who to talk to that will listen to community concerns	Community	General
PIN	Concerns	General	Catch 22- don't destroy trees but they are a huge hindrance & incorrect choice of planting	Community	General
PIN	Concerns	General	Better relationship between council and locals	Community	General
PIN	Concerns	Cypress Hill	Success rate of plantings expected to be higher than it is, therefore plants are too dense	Community	Cypress Hill
PIN	Visions	SEW Park/ Rocky Bay	BBQ (not gas)	Amenity upgrade	SEW Park/ Rocky Bay
PIN	Concerns	Rocky Bay	Mosman Park does nothing about dead vegetation	Vegetation	Rocky Bay
PIN	Visions	Cypress Hill	Better access around cypress hill. Fill in eroded areas, boardwalk	Amenity upgrade, access	Cypress Hill
PIN	Visions	Cypress Hill	View for public from Cypress Hill. Originally great views and seats.	Amenity upgrade and views	Cypress Hill
PIN	Concerns	Rocky Bay	Why make foreshore like King's Park? Two distinct areas which don't need to mix	Vegetation, views	Rocky Bay
PIN	Visions	SEW Park/ Rocky Bay	Fix lookout- great potential	Views, amenity upgrade	SEW Park/ Rocky Bay
PIN	Concerns	Rocky Bay	Trees to tall- Resident responsibility	Vegetation, views	Rocky Bay
PIN	Visions	Lot 320	Improve with swings, sea-saw, etc.	Amenity	Lot 320
PIN	Visions	Rocky Bay	NO FENCES ON CLIFF EDGES- use responsibility notices	Amenity, access	Rocky Bay
PIN	Visions	Rocky Bay	Repair steps- put in small jetty or boardwalk at bottom	Amenity upgrade, access	Rocky Bay
PIN	Concerns	Rocky Bay	We have commented, so who is listening What happens next! Will it be same/ same!	Community	Rocky Bay
PIN	Concerns	Rocky Bay	Density and heights of trees that is blocking peoples view be it form a residence or heritage pathsand also form viewing areas where seats are	Vegetation, views	Rocky Bay
PIN	Concerns	Rocky Bay	Low trees in front of Rule St Car Park as many people come to hav ewedding photos or sit sometimes to have picnics, drinks or just sit on the seats and enjoy the view	Vegetation, Shade	Rocky Bay
PIN	Visions	Rocky Bay	Extend path from Pier 21 to Johannah street. There is no user friendly path at teh moment parallel to Gilbert Fraser Reserve	Access	Rocky Bay
PIN	Visions	Johannah St Reserve	Need somewhere for community to launch small craft/ dinghies but beware of huge asphalt areas such as at deep water point.	Access	Johannah St Reserve
PIN	Visions	Johannah St Reserve	Water Police- Relocate?	erosion control, dingies	Johannah St Reserve
PIN	Concerns	John St Reserve	Disruption of views. Visitas-disconnected foreshore	Views, connectivity	John St Reserve
PIN	Visions	Cypress Hill	Define bush tracks, into useable access paths- hierarchy- some for use by all, some remain as goat tracks	Access	Cypress Hill
PIN	Concerns	Harvey Beach	No fishing at Harvey beach anymore- But community have fished there for generations	Recreation	Harvey Beach
PIN	Concerns	John St Reserve	John St- Access	Access	John St Reserve
PIN	Visions	Johannah St Reserve	Address erosion of foreshore. Establish predictions for high rise/ water mark in regards to climate change	Erosion control	Johannah St Reserve
PIN	Visions	Sorrell Park	Get route under old traffic bridge	Access	Sorrell Park
PIN	Values	Cypress Hill	I like and enjoy the Goat tracks around the cliff- don't change much	Access, landscape character	Cypress Hill
PIN	Visions	Cypress Hill	Maintain access to river	Access, landscape character	Cypress Hill
PIN	Visions	Cypress Hill	Stairs to be upgraded/ made safe	Access, landscape character	Cypress Hill
PIN	Concerns	General	Concerns tant indigenous heritage areas are acknowledged & protected	Heritage	General
PIN	Visions	Johannah St Reserve	Access for Kayaks	Amenity, recreation	Johannah St Reserve
PIN	Concerns	Johannah St Reserve	Erosion Teh rocks have not ceased the noticable erosion	erosion control	Johannah St Reserve
PIN	Concerns	Rocky Bay	Not happy about gum trees growing above cliffs	vegetation	Rocky Bay

PIN	Concerns	Cypress Hill	No trees to be removed. Heritage trail (goat track) to be maintained sensitively like native plants, don't over cultivate- keep it natural. Don't like the plants getting too high and spoiling the views of walkers.	vegetation, access		Cypress Hill
PIN	Concerns	Rocky Bay	Trees not being trimmed- seats in wrong spots, now blocked by trees and have no view	vegetation retention, views		Rocky bay
PIN	Concerns	Rocky Bay	More viewing spots	vegetation, views, amenity		Rocky bay
PIN	Visions	Rocky Bay	recopen wheelchair views	amenity, views		Rocky bay
PIN	Concerns	Cypress Hill	detabilised goat tracks	universal access, views		Cypress Hill
PIN	Concerns	Cypress Hill	Goat tracks are becoming dnanerous and NEED support on river side, not removing	access		Cypress Hill
PIN	concerns	Rocky bay	Council (Michael Leers) has said they don't have a policy for 'pruning for views' therefore they can't prune the bush & overgrown, view-blocking trees. Parkland clearing is required to keep druggies from leaving syringes behind.	Vegetation, views, safety		Rocky bay
PIN	Concerns	General	Ensure protection of all existing vegetation	Vegetation, natural character		General
PIN	Visions	Cypress Hill	Stabilise heritage trail and maintain	erosion control, access,		Cypress Hill
PIN	Visions	Rocky Bay	Preserve North Fremantle youth's right of passage to cliff jumps	recreation, community		Rocky Bay
PIN	Concerns	General	Encourage and maintain continued rehabilitation of riparian vegetation	vegetation rehabilitation		General
PIN	Concerns	General	Don't overdesign and overwork the environment	general		General
PIN	Concerns	General	managmentn of trees- pruning	Vegetation management		General
PIN	Concerns	General	Excessive noise from river- drunks, overcrowded. Foreshore to be policed by water police	Community		General
PIN	Concerns	General	No designated fishing spots. ie Harvey Beach not allowed so my son (12y/o) must travel from Staple st to Traffic bridge to fish	Recreation		General
PIN	Visions	Rocky Bay	A decent access from path to beach at rule st car park	Access		Rocky Bay
PIN	Concerns	General	Cabanas too old- Treated pine 'the next asbestos' family picnic facilities	Amenity maintenance		General
PIN	Concerns	Rocky bay	Near SEW Park- Far NE corner- 2 tall gum trees are closely planted and are next to an Agonis flexuosa.. We did have a view but it has just about been obscured by now	Vegetation views		Rocky bay
PIN	Concerns	Rocky Bay	Planted from SEW- Milo Beach has trees that are too tall now and too densely than river views.	vegetation, views		Rocky Bay
PIN	Concerns	Cypress Hill	Acacia rosellifera- Not native to this area as per Kings Park and original vegetation consultants but they are planted and have gone wild	Vegetation management		Cypress Hill
PIN	Concerns	General	Not enough "of the lead" areas for dogs	Dog access		General
PIN	Concerns	Sorrell Park	Erosion on the foreshore of Sorrell Park is seeing this foreshore move inwards at an alarming rate, especially down northern end near the rocks and back towards the south.	erosion control		Sorrell Park
PIN	Visions	Johannah St Reserve	Disabled access and disabled toilets needed	Amenities, universal access		Johannah St Reserve
PIN	Visions	Johannah St Reserve	Toilet facility where space not obstructing river views & very discreet & blend with natural environment	amenities		Johannah St Reserve
PIN	Visions	Johannah St Reserve	Move dinghies off the beach on grassed area.. Public access comes first, not dinghies	dinghies, access		Johannah St Reserve
PIN	Concerns	General	No one is against streets- its' height and density that are the problem	Vegetation, views		General
PIN	Values	Prawn Bay	This is great- Kids have nature play here	recreation		Prawn Bay
PIN	Concerns	General	Bike path disappears after Prawn Bay	access		Prawn Bay
PIN	Concerns	General	Keep dog use areas along foreshore	Dog access		General
PIN	Concerns	Johannah St Reserve	No lighting in carparks- Drug deals occur hear regulary and vagrants park vans here over night. Have found boxes of bleach dumped in Johannah St Reserve bins- Methamphetamine manufacture!	Lighting, safety		Johannah St Reserve
PIN	Concerns	General	Sea level is rising- implications and actions. Resit attack on 'naturalness'	Shorline concerns- Climate		General
PIN	Concerns	Cypress Hill	Maintenance is appalling- nees to be better looked after- looks old, worn out and scrappy.	Change		Cypress Hill
PIN	Concerns	General	Need clearer/ more direct meeting/ consultation topics. Design proposals.	Community		General
PIN	Concerns	Johannah St Reserve	This beach is being eroded, what happens when sea levels rise?	Erosion/ shoreline stability		Johannah St Reserve
PIN	Concerns	Sorrell Park	Community Garden between bridges disappeared.. Why?	Community		Sorrell Park
PIN	Concerns	SEW Park/ Rocky Bay	Parikhn concerns- esp with business developemntn of brewery	Car parking		SEW Park/ Rocky Bay
PIN	Concerns	Rocky bay	Rotto pines- OK. Tuarts, NOT OK!	Vegetation		Rocky Bay
PIN	Visions	Rocky Bay	Aboardwalk would be sensational- even only a section eg mosman park boardwalk- many people support this idea.			
Community Feedback Forms						
CF1	Values		Love it all			
CF1	Values		Fantastic Community Spaces			
CF1	Values		Many interacting subcommunities eg dog walkers, kayakers, fishing, sports people, residents, picnics, boats			
CF1	Values		Non- residents use the area too- this is great!			
CF1	Concerns	Johannah St Reserve	Foreshore degradation resulting a lot from very high tides this last year	Erosion control		Johannah St Reserve
CF1	Concerns	Johannah St Reserve	Drought affect on trees	vegetation		
CF1	Visions		Effectiveness/ ineffectiveness of rabbit poisoning	Pest management		
CF1	Visions		More of the same mixed use and community feel	BAU		
CF1	Visions		Please be careful not to make sweeping changes	BAU		
CF2	Values	Northbank	Love to wander down there to end of Pensioner Guard Road and sit and watch the dolphins, boats, water, people	Views		Sorrell Park
CF2	Concerns	Northbank	Current seating not suitable for elderly and infirm. Need more conventional seating and shade tree or two on Northbank Development grassed area	Amenities		Sorrell Park
CF2	Visions		I like it as currently is. Plenty of grassed areas, beach sand etc. We don't have one but I lie the upturned dinghy's near Johannah Street and the moored vessels in the river			Johannah St Reserve
CF3	Values		Leave it alone please	BAU		Johannah St Reserve
CF3	Concerns		Tender boat access. Please just remove unlicensed non- tender boats stay as is	Dinghy's		Johannah St Reserve
CF3	Visions		I access the whole area. Teh natural landscape is of most value mingled with some attractive architecture	Upgrade amenity, natural landscape retention	y	Rocky Bay (lighting, caves)
CF4	Values		People accessing areas and cmaing incaves. Especially where the cross is on this map	Heritage, access management	y	Rocky Bay (lighting, caves)
CF4	Concerns	Rocky Bay	Improve access onto Q Vic St from foreshore	Access		Rocky Bay (lighting, caves)
CF4	Visions	Sorrell Park	Lighting between Rocky bay and Mosman Park	Amenities		Rocky Bay (lighting, caves)
CF5	Values	Rocky Bay	Away from busy roads, nice trees, beautiful river views	Landscpe character		
CF5	Concerns	Rocky Bay	River Access from SEW Park. Very poor as have to walk a long way. Not dog friendly	Access		Rocky Bay
CF5	Concerns	Rocky Bay	Parks should be ok for dogs off leash	Dog access		Rocky Bay
CF5	Visions	Rocky Bay	SEW Park access to river	Dog access		Rocky Bay
CF5	Visions	Rocky Bay	The whole foreshore. I love Harvey Beach & go with the children winter & summer. Good to walk with the dog. I love the nature, that it isn't over developed			
CF6	Values	General	Erosion to the higher paths around Cypress Hill to Rocky Bay, it's great to use this path and would be horrible to lose.	BAU		Harvey Beach
CF6	Concerns	Rocky Bay	A natural place, connected, which everyone can use. With still the natural bush & wildlife there	Erosion control		Rocky Bay
CF6	Visions	General	Rocky Bay cliffs- views from the path	BAU, Access, Natural Landscape Character		General
CF7	Values	Rocky Bay	Access to the river	views		Rocky Bay
CF7	Concerns	Rocky Bay	trees blocking our views	views		Rocky Bay
CF7	Concerns	Rocky Bay	Noise from the river	noise pollution		Rocky Bay



CF77	Visions	Rocky Bay	Clear views for walker and residents- watch the dolphins and ospreys in quiet enjoyment	views	Rocky Bay
CF78	Values	General	untouched (relatively)	BAU	General
CF78	Concerns	General	inappropriate developmentn and overdeveloped	Development	General
CF78	Concerns	Rocky Bay	Could you please not allow dogs in SEW park	Dog access	General
CF78	Concerns	Johannah St Reserve	Dinghies on beach- leave it as it is, don't waste money catering for a smallnumbr of boats	Dinghies	Johannah St Reserve
CF78	Visions	General	Leave it as it is	BAU	General
CF79	Values	Rocky Bay- Cypress Hill- John Street Reserve	Enjoy Rocky Bay walks, up onto Cypress Hill & to Pier 21. Would appreciate steps & jetty form Rocky Bay Cliffs to river- there is no access other than steps at soap factory	Access	Rocky Bay, Cypress Hill, John Street Reserve
CF79	Concerns	Rocky Bay	We were promised a walking path from Foundry Court to undeveloped land at Minim Cove to the river path- it has been fenced off! Really upset as it was promised when we bought our property. We walk our dogs everyday	Access, upgrade amenity	Rocky Bay
CF79	Visions	General	Coffee shop along river- nothing from Peppermint Grove to North Fremantle???	Upgrade amenity	General
CF79	Visions	General	More dog friendly- Everyone has a dog in this neighbourhood	Dog access	General
CF79	Values	General	Love the whole of the river & frequent all of it	General	General
CF79	Concerns	General	Destruction of trees	Vegetation	General
CF79	Concerns	Johannah ST Reserve	Toilet block closed for over 2 years	Amenity	Johannah St Reserve
CF79	Concerns	Cypress Hill	Dangerous narrow path in front of Karlson house)	Access	Cypress Hill
CF79	Concerns	Johannah ST Reserve	No fences out to rivers edge	Access	Cypress Hill
CF79	Concerns	General	no planting of mature plants, use tube stock will grow better. Use more appropriate plants (not Geraldton Wax)	Anenity	General
CF79	Concerns	Rocky Bay	Doing something about people living in the caves and destroying vegetation and leaving rubbish	Vegetation	Rocky Bay
CF79	Concerns	General	No signs in park about this meeting or a separate letter drop. Luckily a neighbour informed me.	Vegetation	General
CF79	Visions	General	Plant more trees, more shrubs	Anenity, Views	General
CF79	Visions	Rocky Bay	More seating with views	Views	Rocky Bay
CF79	Visions	General	Encouraging more wildlife	Natural Ecologies	General
CF79	Visions	Cypress Hill	re: goat track. Fill in holes with limestone rubble or boardwalk	Access, Amenity upgrade	Cypress Hill
CF79	Visions	General	Better pedestrian and bike access	Access	General
CF79	Visions	Rocky Bay	Tree planted on NW side of seating for shade	Vegetation, shade	Rocky Bay
CF79	Values	General	Able to walk or jog without worrying about vehicles	Access	General
CF79	Values	General	Ten river views (where not obscured by greenery)	Views, vegetation	General
CF79	Values	Rocky Bay	The river views are diminishing due to dense greenery growth. Large trees should be more space in between low growth	Views, vegetation	Rocky Bay
CF79	Concerns	Rocky Bay	I would like of see less fencing- use dense low growth instead. Remove clusters of trees to jst one large one every 30m or so.	Views, vegetation	Rocky Bay
CF79	Visions	Rocky Bay	The remnant bush and wider areas especially the cliffs between water police and Rocky Bay.	Views, vegetation	Rocky Bay
CF79	Values	Cypress Hill	North Freo Oval and around APACE (love the timines!)	Natural Landscape Character	Cypress Hill
CF79	Concerns	General	Vegetation degradation especially nature tree poisoning & removal	Vegetation	General
CF79	Concerns	Rocky Bay	Erosion along cliffs (Rocky Bay) and foreshore	Erosion control	Rocky Bay, Johannah St Reserve
CF79	Concerns	General	Lack of water access	Access	Reserve
CF79	Concerns	General	Lack of native fauna or info about what is there	Natural Ecologies	General
CF79	Concerns	General	Ten signs in the interpretive trail are in terrible condition	Anenity	General
CF79	Visions	General	I would lik to see its values as a wildlife habitat maximised- possibly through more varied flora. Ideally a wildlife corridor and native vegetation	Natural Ecologies	General
CF79	Visions	Rocky Bay	A river access point between Rocky Bay and northern boundary would be useful	Access	Rocky Bay
CF79	Visions	Harvey Beach	Harvey Beach should have dogs allowed on lead	Dog access	Harvey Beach
CF79	Values	Rocky Bay	Access to water- views of river and ocean sailing and canoeing in river/ ocean	Views, access,	Rocky Bay
CF79	Concerns	Rocky Bay	No access to river foreshore from rule street to Mosman Park	Access	Rocky Bay
CF79	Visions	Rocky Bay	Been waiting/ wanting for so long for access to river foreshore via stairs near Sewell Park<2> Whyay so long? Please make this happen	Access	Rocky Bay
CF79	Values	General	Access- Traffic to Mosman Park and Beyond	Access	General
CF79	Concerns	General	Trees dying- being poisoned	Vegetation	General
CF79	Concerns	General	Weed/ Fire control	Weed & fire magnt	General
CF79	Concerns	Rocky Bay	Quicker response time to caves to authorities re: vandalism (can take weeks)	Cave access	Rocky Bay
CF79	Visions	General	Separate walk and cycle paths	Access, Amenity upgrade	General
CF79	Visions	Cypress Hill	Boardwalk/ decking around cliff to make track safer	Access, Amenity upgrade	Cypress Hill
CF79	Values	General	Parks, Open Space, Beaches	Landscape character	General
CF79	Concerns	General	Destruction of trees	Vegetation	General
CF79	Concerns	Johannah ST Reserve	Water rising. At high tide, you cannot walk along the beach	Erosion control, Water buffering	Johannah St Reserve
CF79	Concerns	Rocky Bay	Lack of Beach access to charming Beach adjacent to SEW Park.	Access	Rocky Bay
CF79	Concerns	General	Foreshore access is restricted by fences	Access	General
CF79	Concerns	General	Wilderness stramules are lovely but become more degraded	Vegetation	General
CF79	Visions	General	Boardwalk	Amenity upgrade	General
CF79	Visions	Rocky Bay	Beach paths- risk notices if necessary	Amenity upgrade	Rocky Bay
CF79	Visions	General	Dog access returned to Rocky Bay	Access	General
CF79	Visions	General	Removal of fences	Amenity upgrade	General
CF79	Visions	Rocky Bay	Steps to SEW Park Beach for recreational use- signage to be used for possible concil liability issues.	Amenity upgrade	Rocky Bay
CF79	Visions	General	Whole foreshore as dog exercise area	Dog access	General
CF79	Values	Rocky Bay	River pathway views	Views	Rocky Bay
CF79	Values	Rocky Bay	Care of embankment	Vegetation	Rocky Bay
CF79	Values	Rocky Bay	Trees for shade of pathways	Vegetation	Rocky Bay
CF79	Concerns	General	The rapid loss of view by the planting of Acacia rostellifera	Vegetation	General
CF79	Visions	General	Care and consideration for the river and environment	Natural Landscape Character	General
CF79	Values	Rocky Bay	The River Views from the path from Cypress Hill to Point Roe in Mosman Park	Views	Rocky Bay
CF79	Values	General	Fishing in the river for tailor and flathead	Recreation	General
CF79	Values	General	Kayaking in the river	Recreation	General
CF79	Concerns	Rocky Bay	Lack of access to the river between Rocky Bay and Minim Cove	Access	Rocky Bay
CF79	Concerns	General	Lack of pruning of dead branches and overgrowth on trees along the river path	Vegetation management	General
CF79	Concerns	Rocky Bay	Lack of adequate safe car parking adjacent to the children's playground in SEW park	Car parking	Rocky Bay
CF79	Concerns	Rocky Bay	A gradually descending path to give access to the river for fishing, kayaking, crabbing and prawning should be built starting about 50 metres east of the north eastern corner of SEW Park. If the path is built with reconstituted limestone blocks, jek the pathat Minim Cove in Mosman Park, the steep soft sandy cliff wil NOT be eroded.	Access	Rocky Bay
CF79	Visions	Rocky Bay	The trees along the river path need to be cared for properly by the removal of dead branches to reduce the fuel load and minimise the risk of a hot bush fire. Also overgrowth should be pruned to improve seeing the river when walking along the river path. This would also reduce the fuel load in the strip of park land along the edge of the river	Access	Rocky Bay
CF79	Visions	General		Vegetation management	General

CCF17	Visions	Rocky Bay	Foundry Court along the northern side of SEW Park is narrow and busy. At present no off-road parking is permitted along the northern side of SEW Park. Parents and Grandparents taking children to the children's playground in SEW Park have to Park in Foundry Court. This is very dangerous for small children. Six off-road car parking bays at 90 degrees to Foundry Court should be built adjacent to the children's playground.	Car parking	Rocky Bay
CCF18	Values	General	Reeds, paperbarks, rocks, sand (& water of course). Dinghies, boats on moorings, jetties (not private), marinas, digs. People fishing, paddling, swimming, canoeing, sitting.	General	General
CCF18	Concerns	Johannah ST Reserve	Keep dinghies & boats on moorings without too much over regulation.	Dinghies	Johannah ST Reserve
CCF18	Concerns	General	Don't over develop magic spots- Rocky Bay, Harvey Beach	Overdevelopment	General
CCF18	Concerns	Johannah ST Reserve	Beach erosion at Johannah St beach caused by boat wash.	Beach Erosion	Johannah ST Reserve
CCF18	Visions	Sorrell Park	Foreshore inf ront of Northbank needs boardwalks, public jetties, etc to make it live a little- As originally envisaged, it's not private property.	Amenity	Sorrell Park
CCF18	Visions	Harvey Beach, General	Maintenance of what is already there should be a priority. Huts, bridges, Paths seawall (at Harvey Beach)	Amenity Upgrade	Harvey Beach, General
CCF18	Visions	Cypress Hill, General	More trees, perhaps less dense scrub on Cypress Hill. Perhaps some seating with an outlook.	Shade, Vegetation	Cypress Hill, General
CCF18	Visions	Rocky Bay	Some landscaping of the vast open space above rocky bay beach ( on Rule St) would be nice. I realise that this is nigh impossible given the "view razis" who would be effected.	Vegetation	Rocky Bay
CCF18	Visions	General	Avoid hard edges, concrete paths, over development, keep it basic, keep it funky, keep it "bushy"	BAU	General
CCF19	Values	General	Its natural un-structured state. No Commercial activity	BAU	General
CCF19	Values	General	Easy access to river	Access	General
CCF19	Values	Johannah ST Reserve	Johannah Street Forshore	Dog access	Johannah ST Reserve
CCF19	Values	Johannah ST Reserve	Dog off lead area is good	Dog access	Johannah ST Reserve
CCF19	Concerns	Johannah ST Reserve	Protection of river banks	Bank erosion	Johannah ST Reserve
CCF19	Concerns	General	Easy public access.	Access	General
CCF19	Concerns	General	Passive leisure uses on river & on land	Recreation	General
CCF19	Visions	General	Dreams of a sustainable ecological management of foreshore & river. Foster human scal community values	Natural ecologies, community	General
CCF19	Concern	Johannah ST Reserve	Important to value & maintain 'APACE' as ideal low impact buffer between riparian environment & residential areas.	APACE	Johannah ST Reserve
CCF19	Concern	General	The river ecology & biodiversity. Negative impact from upstream damming of seasonal fresh water flows- Leading to increase tidal & salt water activity in lower reaches of river & estuary. Basically, it seems our Swan River is dying.	Hydrology	General
CCF19	Concern	Johannah ST Reserve	Impact from river boating- leisure maotor launches (large & fast, or small & fast) creating wash & wake erosion of river banks.	Bank erosion	Johannah ST Reserve
CCF19	Values	Johannah ST Reserve	Dinghies- If dinghies are banned from being kept at the foreshore- boating people will use more invasive high- impact ways of getting their craft onto the water eg- 4WD vehicles & trailers/ provision of more marinas	Dinghies	Johannah ST Reserve
CCF19	Concerns	Johannah ST Reserve	Fremantle Council to lobby state gov re: more controlled use of tow- boats- only in designated areas- same way as present management for tow- boats & water skiing	Erosion control, Water buffering	Johannah ST Reserve
CCF19	Visions	Rocky Bay	Maintenance and improvement of Rocky Bay fish breeding areas	Natural ecologies	Johannah ST Reserve
CCF19	Visions	Harvey Beach	Improvement to amenities @ Harvey Beach	Amenity upgrade	Rocky Bay
CCF19	Visions	Cypress Hill	Restoration of suitable walking/ climbing paths on Cypress Hill	Access, amenity upgrade	Harvey Beach
CCF20	Values	General	People and dogs enjoying it	Dog access	General
CCF20	Values	Johannah ST Reserve	Dinghies left on foreshore to sit on and hold the grass	Dinghies	Johannah ST Reserve
CCF20	Values	John St Reserve	Boat on Moorings jettys- for fishing, not private	Access, recreation	John St Reserve
CCF20	Values	General	Picnicing with kids	Recreation	General
CCF20	Concerns	Johannah ST Reserve	That the council don't understand the fact that dinghies HOLD sand and lawn in place, that they will puts rocks all along	Dinghies, erosion control	Johannah ST Reserve
CCF20	Concerns	Cypress Hill- Rocky Bay	Fire risk- overgrown vegetation, no views. Acacias left now overgrown	Fire, views, vegetation management	Cypress Hill- Rocky Bay
CCF20	Visions	Harvey Beach	Hand rail into the water, new ramp to get onto beach for prams and oldies	Amenity upgrade	Harvey Beach
CCF20	Visions	Prann Bay	Inlet needs more room to wash through, needs new shelters	Amenity upgrade	Prann Bay
CCF20	Visions	Johannah ST Reserve	Dinghies left- they are great of sit on and watch the children	Dinghies	Johannah ST Reserve
CCF20	Concerns	Cypress Hill	Cypress Hill- they are saved for the view, community was always using it as picnic spot especially the seat that was looking EAST	Views	Cypress Hill
CCF20	Visions	Cypress Hill	Reinstate seat above the stairs, looking east with view	View, amenity upgrade	Cypress Hill
CCF20	Values	Cypress Hill	Trees thinned and bushes cut back please	Vegetation management	Cypress Hill
CCF20	Concerns	Cypress Hill	A budget has not been available for Cypress Hill for last 2 years- This is a disgrace as we have been lobbying Swan River Trust, Main Roads & Mayor & Michael Leers for 4 years now.	Budget	Cypress Hill
CCF20	Values	General	Your company were terrific on Saturday and has had great support & comments from the community. Well done	Project Support	General
CCF21	Values	Johannah St- Rocky Bay	I appreciate the foreshore as a dog walking trail off lead.	Dog access	Johannah St- Rocky Bay
CCF21	Values	Johannah St- Rocky Bay	I appreciate the native vegetation	Natural ecologies	Johannah St- Rocky Bay
CCF21	Concerns	Johannah St- Rocky Bay	In the past, there has been planting of species that are not native to the area, and also that some areas have been overplanted and are now out of control	Vegetation management	Johannah St- Rocky Bay
CCF21	Visions	Johannah St- Rocky Bay	I see the foreshore existing vegetation being thinned out and cleaned up drastically. All species that are not native should be removed	Vegetation management	Johannah St- Rocky Bay
CCF21	Visions		I don not believe that there should be any change to the present 'native' feel for the foreshore vegetation except that all introduced exotic or non native plants and trees should be removed. I refer specifically to the very invasive Acacias in photographs 0434 & 0435. They multiply by throwing up new growth from their extensive root system. The existing vegetation should be thinned out and tidied up. Dead trees and bushes should be removed. A lot of planting has been done indiscriminately an the past and these overgrown areas require drastic thinning out. See photographs 0430 & 0436- it would be a huge project to do the work effectively, involving mechanicaldigging equipment, transport and labour, and once done there would need to be properly supervised annual maintenance to keep vegetation in check		
CCF21	Visions	Johannah St- Rocky Bay	To make the foreshore more pedestrian friendly, I would like to see the present walking track improved by creating a crushed limestone footpath along the route of the existing track. Some modifications to the existing alignment would be necessary.	Vegetation management	Johannah St- Rocky Bay
CCF21	Visions	Johannah St- Rocky Bay	No traffic on BBs, just the peace and quiet of the area	Access, amenity upgrade	Johannah St- Rocky Bay
CCF22	Concerns	John St Reserve	the pergola and seats next to Fremantle Water Police is hideous and non functioning	BAU	General
CCF22	Concerns	John St Reserve	Seating and pergola should be removed and more appropriate seating installed	Amenity upgrade	John St Reserve
CCF23	Values	Rocky Bay	The views to the river! We built on the foreshore on walk way 14 years ago. We so treasure the river view so do the walkers.	Amenity upgrade	John St Reserve
CCF23	Concerns	Rocky Bay	Too many trees plantedto make area unsafe for residents. We fear too many trees make ideal hiding places for thieves	Views	Rocky Bay
CCF23	Visions	Rocky Bay	Its greatly used by locals and bike riders and overseas visitors that do the walk for the river view	Views, safety	Rocky Bay
CCF24	Values	Rocky Bay	Walking on the footpath and looking at the river	Views, recreation	Rocky Bay
CCF24	Concerns	Rocky Bay	Trees and Acacias taht were planted by a "group" have grown and blocked views. Acacias die and leave woody mess	Views, vegetation management	Rocky Bay
CCF24	Concerns	Rocky Bay	A pleasant walk- to be able to see the river	Views	Rocky Bay
CCF24	Visions	Rocky Bay	Acacias to be culled and pruned to fence height	Views, vegetation management	Rocky Bay



CF24	Concerns	General	I didn't get information regarding this meeting although a resident along the foreshore. We have had so many meetings about this issue over the years and nothing ever eventuates. I hope that our comments will be noted and acted upon. These trees and shrubs were planted after we bought the land the acacias in particular have grown out of control leaving dead wood when they die off which is very ugly. Please help to beautify the cliff face without destroying the beautiful views of the river	Views, vegetation management		Rocky Bay
Emails						
Email 1	Values	Harvey Beach	It is a designated swimming area, no boats, no dogs	Dog access		Harvey Beach
Email 1	Values	Harvey Beach	The jetty replaced a diving board, so it is for people to jump off into the river, not for boats to tie up or fishermen to pollute.	recreation, amenity		Harvey Beach
Email 1	Values	Harvey Beach	It is not a dog beach and is too small to ever be one	recreation, amenity		Harvey Beach
			Fishermen can walk up the beach to the end or they can use the jetty at Portside. The problem with allowing them on Harvest Rd jetty is that they leave hooks, tackle and fish guts all over the jetty where people are trying to walk sit and recreate.			
Email 1	Concerns	Harvey Beach		recreation, amenity		Harvey Beach
Letters						
L1	Values	General	I walk my dog every morning and night	Dog access		General
L1	Concerns	Cypress Hill	Thoughtless planting completely blocks the views of the river	Views		Cypress Hill
L1	Concerns	General	Poo bags too small and ineffective	Dog access		General
			Trees seem to be planting without much thought of their character, habit, size, propensity to break. - Are these selected by CoF LA or ad hoc?			
L1	Concerns	General	Path gets thin and dangerous	Vegetation		General
L1	Concerns	Rocky Bay	Removal of ugly fences blocking access to Rocky Bay Beach	Amenity Upgrade, Access		Rocky Bay
L1	Visions	Rocky Bay	Replace and repair art boat shaped seat	Upgrade amenity, art		Rocky Bay
L1	Visions	Johannah St Reserve	Seating and signage looks to nothing. Needs to be moved to where it can has views	Upgrade amenity, art		Johannah St Reserve
L1	Visions	Rocky Bay		Upgrade amenity, views		Rocky Bay
L1	Visions	Rocky Bay	Path get narrow and dangerous- needs to be moved closer to houses not explicitly acknowledge the body of research and documentation to be found in the 1991 North Fremantle Management Plan (Ecoscape Australia Pty Ltd) and its 1996 and 1997 updates	Amenity upgrade, Access		Rocky Bay
L2	Concerns	General	The impact of Prawn Bay Wetland and the emplacement of rocks on beach dynamics (the technical / engineering study should be immediately released for information and comment)	Project Scope		General
L2	Concerns	Prawn Bay	Which recommendations have or have not been implemented; what has worked and what has not worked	Erosion Management recommendations		Prawn Bay
L2	Concerns	General	A clear distinction between emergent issues for which fresh planning is necessary, and matters for which better (or indeed any) attention to regular maintenance is required	Management recommendations		General
L2	Concerns	General	Given that the current planning process proposes that the draft new plan will be available for public comment in July 2012, it is essential that the focus be on matters of primary importance and that full use be made of existing knowledge, both documented and community-held.	Management recommendations		General
L2	Concerns	General	That a community advisory group be formally included in the planning process. The members to include the undersigned long-term residents of North Fremantle, who between them have decades of involvement in the social and environmental planning issues of the district and an intimate knowledge of the local environment.	Management recommendations		General
L2	Visions	General		Management recommendations		General
Online Survey						
OL1	Values		Being able to see the river. Access to river - not enough though. Natural area north of the Water Police area.	Views, vegetation management		Cypress Hill
OL1	Values	Cypress Hill- Rocky Bay	Water Police- Rocky Bay	Area most frequented		Cypress Hill- Rocky Bay
			That the "greenies etc" will stop access and view of the river as is happening in the Mosman Park area of Rocky Bay. If I want to walk through bush and not see the river I can go and walk in Mundaring. Their should be more access and views of the river suitable for all including children and people in wheelchairs.			
OL1	Concerns	Cypress Hill- Rocky Bay	Their should be more access opportunities to get to the waters edge - possibly a walkway/boardwalk and some fishing areas. Currently there is too much growth preventing anyone but tall persons from viewing the river. If this is to continue a boardwalk lower around the cliff would cover all needs.	Access, views, vegetation management		Cypress Hill- Rocky Bay
OL1	Visions	Cypress Hill- Rocky Bay	As mentioned before if suitable access is made - boardwalks and fishing platforms etc coupled with the current path etc there will be a choice of access, fishing opportunities and a separation between the fast commuting cyclists on the current path and the boardwalk making it safe and able to see the river by all sizes.	Access, views, vegetation management		Cypress Hill- Rocky Bay
OL1	Visions	Cypress Hill- Rocky Bay	Hopefully a plan that accommodates all needs not just the "greenies" view. North Fremantle is populated by a very varied group of residents a plan such as this should accommodate wherever possible all of their views not a minority view.			
OL1	Concerns	General	The walk from the bridges to mosman park. Swimming at Harvey bay and picnicking there (but very squalid recently). Used to love access to Rocky Bay. Very peaceful contemplation or fishing place	Equity of decision making		General
OL2	Values	General	Neglected. Huge contrast between Mosman Park and N. F.	General		General
OL2	Concerns	General	Community involvement and work for dole equivalents	Management neglect		General
OL2	Visions	Rocky Bay	Boardwalks bbps shade care of environment and access to Rocky Bay	Management of Park		Rocky Bay
OL3	Values	Johannah St Foreshore	Swimming picnics walking Johannah st foreshore great for toddlers	Amenity upgrade		Johannah St Foreshore
OL3	Values	Johannah St- Rocky Bay	Johanna st for swimming, rocky bay for peaceful place to visit, whole area for walking	recreation		Johannah St- Rocky Bay
OL3	Concerns	General	Poor facilities lack of upkeep new picnic tables BBQs shade and landscaping would make a huge difference	recreation		General
OL3	Visions	General	Engage locals community service programs	Amenity upgrade		General
OL3	Visions	General	Safer public access	Management of Park		General
OL4	Values	General	The views of the Swan River and the near environs that can be seen on both sides of the river.	Access		General
OL4	Values	General	Along the foreshore walkway Rocky Bay to Minim cove, and along the river east from the Stirling bridge to the water police.	Views		General
OL4	Values	General	The loss of the river views through the planting of inappropriate species.	recreation		General
OL4	Concerns	General	The ever present fire risk in the summer easterlies from excessive and flammable foliage allowed to grow uncontrolled along the river bank.	Views, vegetation		General
OL4	Concerns	General	Low foliage that will not blot out the river views and planting of lower flammability species.Acacias and tall gum trees are notorious for high flammability and sparks carryover over quite significant distances.	Fire		General
OL4	Visions	Rocky Bay		Views, vegetation		Rocky Bay

OL54	Visions	Rocky Bay	There should be access to the river between the Route 4 end and the Minim cove beach pavilion along the Rocky Bay walkway so that people can enjoy access for fishing, boating, bird watching and just proximity to the river.	access		Rocky Bay
OL54	Visions	General	Care should be taken to select local species as vegetation that will green the steep sandy iproshore areas, hold the sand in place; but not constitute a major fire hazard or block the views of the river from the viewing pathways. I wrote a long essay on the North Fremantle Foreshore. Because my internet connection has failed, I cannot send it through this digital mechanism - I am not a monkey so I can't work out how to transfer it onto this Survey Monkey thing. I have sent via someone else's email to it to Jeremy at UDIA. Please read it, it's important.	Vegetation, fire, views, access		General
OL55	Values	General	Its natural/naturalistic quality, particularly the landforms (from limestone cliffs to subtle undulations of beach foreshore) and the natural vegetation	General		General
OL56	Values	General	Johannah Street (Gilbert Fraser Oval) beach	Landscape character		General
OL56	Values	Cypress Hill	Heritage trail ("goat track") between Alfred Road and Ainslie Road	General		Cypress Hill
OL56	Concerns	Johannah St Reserve	Erosion, particularly from power boat wash	Shoreline erosion		Johannah St Reserve
OL56	Concerns	Johannah St Reserve	Inappropriate engineering works (such as the large limestone rocks placed on Johannah St beach)	Shoreline erosion		Johannah St Reserve
OL56	Concerns	John St Reserve	Inappropriate landscaping (such as the sterile grassed area in front of the Northbank riverfront units)	management		John St Reserve
OL56	Concerns	John St Reserve	Privatisation (including private jetties)	privatisation		John St Reserve
OL56	Concerns	Cypress Hill	Removal of vegetation, particularly along cliff top	vegetationmanagement		Cypress Hill
OL56	Concerns	General	Lack of intelligent maintenance	maintenance		General
OL56	Visions	Surrell Park	Removal of rock groins up and downstream of Northbank Jetty	Rock groynes		Surrell Park
OL56	Visions	Johannah St Reserve	Removal of rocks from Johannah St beach	Rock groynes		Johannah St Reserve
OL56	Visions	Prawn Bay	Closure of northern opening to wetland; improvement of southern	Prawn Bay		Prawn Bay
OL56	Visions	John St Reserve	Planting of trees along Point Direction (Pier 21) foreshore	Vegetation maintenance		John St Reserve
OL56	Visions	Harvey Beach	Annual maintenance at Harvey Beach	maintenance		Harvey Beach
OL56	Visions	Cypress Hill	Pruning of vegetation between goat track and cliff top properties where track has been "pushed" out too close to cliff edge, encouraging erosion (intelligent maintenance)	vegetation management, erosion, views		Cypress Hill
OL56	Visions	Cypress Hill	No fencing of Rocky Bay cliffs, appropriate signage only	Signage, access		Cypress Hill
OL56	Visions	Rocky Bay	Planting of trees along dual use path beyond Rule Street termination according to "North Fremantle Foreshore, Rocky Bay Planting Plan, May 1998" - prepared by Ecoscape following achievement of consensus on this issue, but never carried out by Council	Vegetation planting		Rocky Bay
OL56	Visions	General	Maintenance of unique natural/naturalistic character	Landscape character		General
OL57	Values	Harvey Beach- Rocky Bay	Natural beach setting, access to boats, Harvey Beach, river vistas from vantage points at Cypress Hill and around Rocky Bay.	Landscape character		Harvey Beach- Rocky Bay
OL57	Concerns	General	Any kind of sea wall	Erosion control		General
OL57	Visions	General	- Remove rocks placed on beach west of Johanna Street. - Allow dighies to remain in Prawn Bay. - Retain natural elements of foreshore. - No seawall anywhere. - No additional parking at Johanna Street. - No launching ramp at Johanna Street. - Maintenance of beach shelters. - Maintenance at Harvey Beach. - No fences at Rocky Bay. - No access restrictions to little beach in front of the soap factory in Rocky Bay. - Stop removing sand from little beach that accretes at the base of the jetty in front of Northbank.	General		General
OL57	Visions	General	Continued access by all users Needs to include a review of existing plans to determine where to go from here. What of the recommendations have been implemented, what haven't? What has worked/hasn't? Use that as the starting point for future planning and recommendations.	Access		General
OL57	Visions	General	Cloeness to the river, the walking path and visual treats of views, bird life and dolphins. The ospreys and pelicans are a particular delight. The vistas of Rocky Bay at all times of the day, all weathers and with a wide range of boating activity brings joy to the heart. A special aspect is to watch the moon rise over the river and to be able to walk in the moonlight.	General		General
OL58	Values	General	Degradation and reducing views of the river from the path. I am also concerned about the lack of policing the dogs on leash rules. If the rules are not policed, why are they made. The SEW Park and the walking path are on leash areas and I understand a fine has never been issued for breaches. The dog excreta on the path and verges is very upsetting. The overgrowth of feral wattle species is producing walls of green, blocking views from the walking path in many areas.	General		General
OL58	Concerns	General	Liaison with the Swan River Trust re management of the area between the walking path and the river. The Ranger should monitor dog owners and enforce the rules. Cessation of using potable water to irrigate the SEW park and better planning and management of the gardens along the walking path.	General		General
OL58	Visions	General	The foreshore, access to it and the views of the river from the path are of great value and must be maintained for future generations. If appropriate plantings and pruning is not done the foreshore will become a major risk and also encourage local residents to take inappropriate action to maintain the environment and vistas. The Swan River Trust and Council state that the community does not own the view but surely the community and local residents can expect the views and vistas to remain for all to enjoy. Even the provided lookouts are being overgrown with vegetation.	General		General
OL58	Visions	General	It appears that many residents in the Foundry Court/SEW Park area where not letter dropped regarding the community meeting held on 9 June.	General		General
OL58	Concerns	Rocky Bay	North Fremantle foreshore is for us peaceful, with abundant flora and birds. It is a relaxing area where we often meet with neighbours and the wider community. It is a great exercise area valued by locals and others.	Community		Rocky Bay
OL59	Values	General	We are concerned about change	Community		General
OL59	Concerns	General	It seems to be well managed currently	BAU		General
OL59	Visions	General	More of the same	BAU		General
OL59	Visions	General	It is natural	BAU		General
OL510	Values	General	Lack of care	Landscape character		General
OL510	Concerns	General	You could get a group of local people to put some time into maintaining and caring for the area.Letting council know of problems , hopefully they may act sooner rather than later.	maintenance		General
OL510	Visions	General	Needs more signs and rubbish bins need tobe emptied, renew some of the bins, Renew shelters	Community Maintenance		General
OL510	Visions	General	It is so important to let it be natural, and looked after. It is such a precious area. People should not be able to sleep or live at the foreshore	Anenity upgrade		General
OL510	Visions	General	sand and water, you can feel the real world when you are standing in the sand on the waters edge	Landscape character, BAU		General
OL511	Values	General	The river ending up surrounded by walls to stop erosion	Landscape Character		General
OL511	Concerns	General	The river is alive, it doesnt stay still, its banks move.any foreshore plan needs to take this in to consideration ,North Fremantle near Aspace for example at some stage in the last 20-30 years some shoekles where planted to close to the waters edge, the river bank wants to move back let it ,work with it re plant the natural grasses etc. authorities should concentrate on returning the rivers edge into a more natural state working with it rather than trying to control it other wise down the track we are going to end up with dead walled body of water .	Erosion Control, Over engineering		General
OL511	Visions	Johannah St Reserve	I think we need to limit the size of the boats going up the river,Why can you catch the ferry to Rottnest 20 is inland, there should be a shuttle bus or smaller boat from the city to Fremantle .	Landscape Character, Erosion Control, Over engineering		Johannah St Reserve
OL511	Visions	Johannah St Reserve		Landscape Character, Erosion Control, Over engineering		Johannah St Reserve





Prepared for:



Prepared by:



North Fremantle Foreshore  
Management Plan 2013

