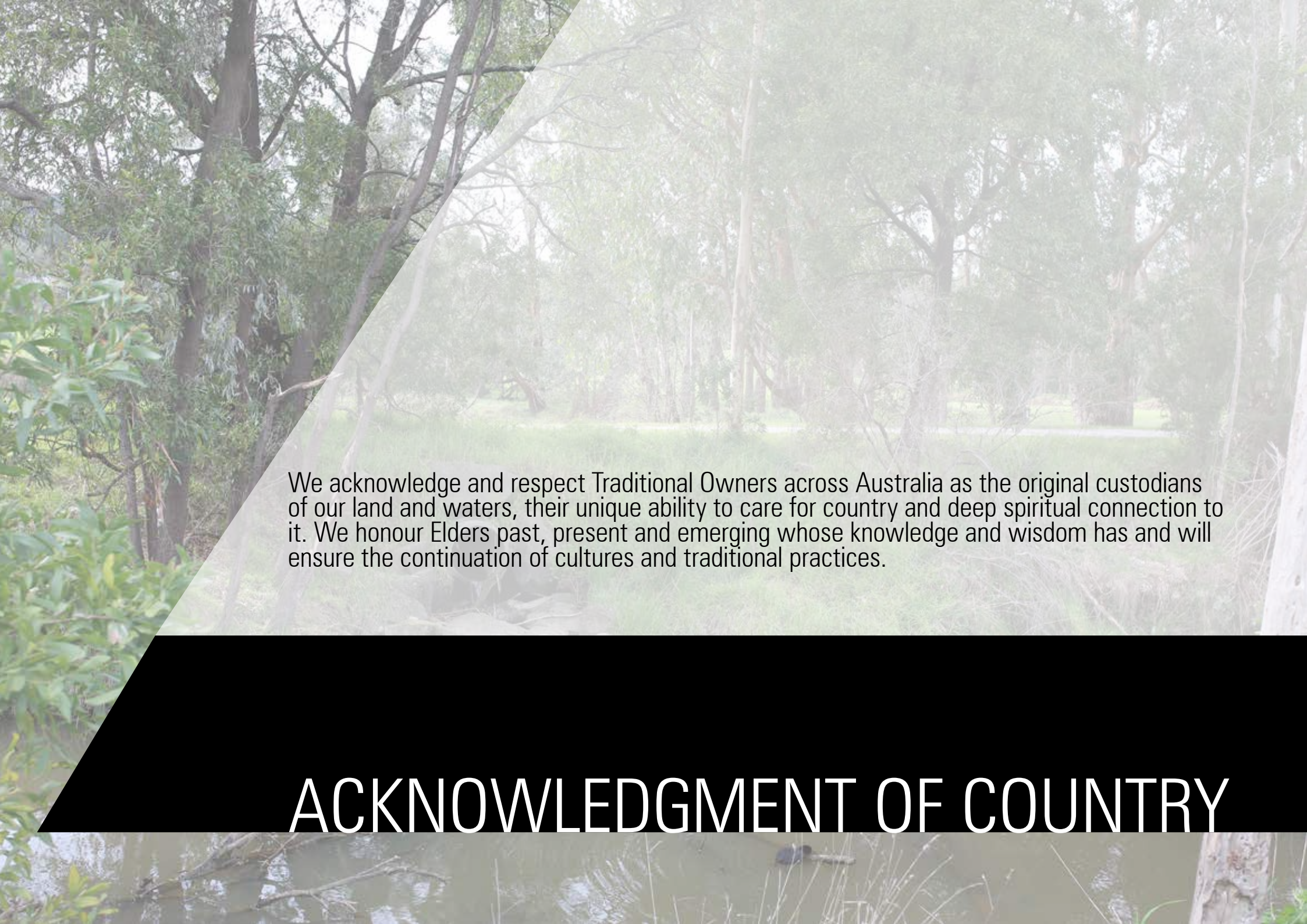




LILLYDALE LAKE

BACKGROUND REPORT

MARCH 2021 / Revision B




We acknowledge and respect Traditional Owners across Australia as the original custodians of our land and waters, their unique ability to care for country and deep spiritual connection to it. We honour Elders past, present and emerging whose knowledge and wisdom has and will ensure the continuation of cultures and traditional practices.

ACKNOWLEDGMENT OF COUNTRY

Content

1 INTRODUCTION.....	4
Purpose	5
Project Process.....	5
The Broader Context.....	6
Study Area	8
Context & History.....	10
2 BACKGROUND REVIEW	11
Zones	12
Overlays	14
Strategic Policies.....	16
3 SITE ANALYSIS	20
Existing Conditions	21
Site Analysis Plan	24
Issues & Opportunities.....	25



A scenic landscape photograph of a lake. In the foreground, a grassy area leads to a sandy beach. A person is standing on the beach, fishing. The lake is calm, and the background features a line of trees and distant hills under a cloudy sky. The image is framed by a large white triangle on the left and a black triangle at the bottom containing the text 'INTRODUCTION'.

INTRODUCTION

Introduction

Purpose

Hansen Partnership have been engaged by Yarra Ranges Council to prepare a master plan for Lillydale Lake in Lilydale. When completed, the master plan will provide the strategic context to guide Council in making staged improvements and enabling upgrades to meet the needs and priorities of the local and regional community, and multitude of user groups active within the reserve now and into the future.

The master plan seeks to implement quality public open space and recreation activities, with a focus on providing functional, attractive, accessible, safe and sustainable public spaces.

Project process

The preparation of the Lillydale Lake Master plan is a collective effort between Council and number of key stakeholders. This master plan report considers the comprehensive collection of strategic work and collaborative efforts from local government and user groups. It has acknowledged and learnt from these background documents and will combine this information with expert site analysis and the local knowledge of community members, stakeholders and user groups.

The master plan will be built upon the foundations of the preceding desktop and site analysis and forthcoming community and stakeholder consultation process. Upon completion, this master plan document will present the vision and the key directions for the future planning and development at Lillydale Lake.

The following diagram illustrates the staged project process guiding the preparation of the Lillydale Lake Master plan:



The broader context

Lillydale Lake is situated in the Yarra Ranges, approximately 40km north-east of the Melbourne Central Business District in the suburb of Lillydale. Lillydale is a Major Activity Centre in the Yarra Ranges and the Shire's first settlement, with a population of 15,530 based on 2016 census data. The town is serviced by shopping centres, community facilities, public parks and public transport.

With regards to open space and recreation, Lillydale is currently experiencing increasing demand for accessible recreation opportunities and mainstream sports participation as well as social recreation parks* (1), and Lillydale Lake plays a significant role in this space.

Lillydale Lake, which opened in 1990, is regionally recognised as a leisure facility and provides a broad range of opportunities for individuals, family, the Lillydale Rotary Club and a range of sporting and recreation user groups.

The site has a moderate level of accessibility via pedestrian access from the immediate surrounding residential areas and cyclists from the Olinda Creek Trail. There is direct bus access to the site from Swansea Road which runs parallel to the northern edge of the site. The train station is located approximately 1km north of the site. A majority of visitors are from outside Lillydale traveling to the site via private vehicle.

* (1) Yarra Ranges Council Recreation and Open Space Strategy – Precinct Strategies Action Sheets



figure 1 Site within the broader municipality

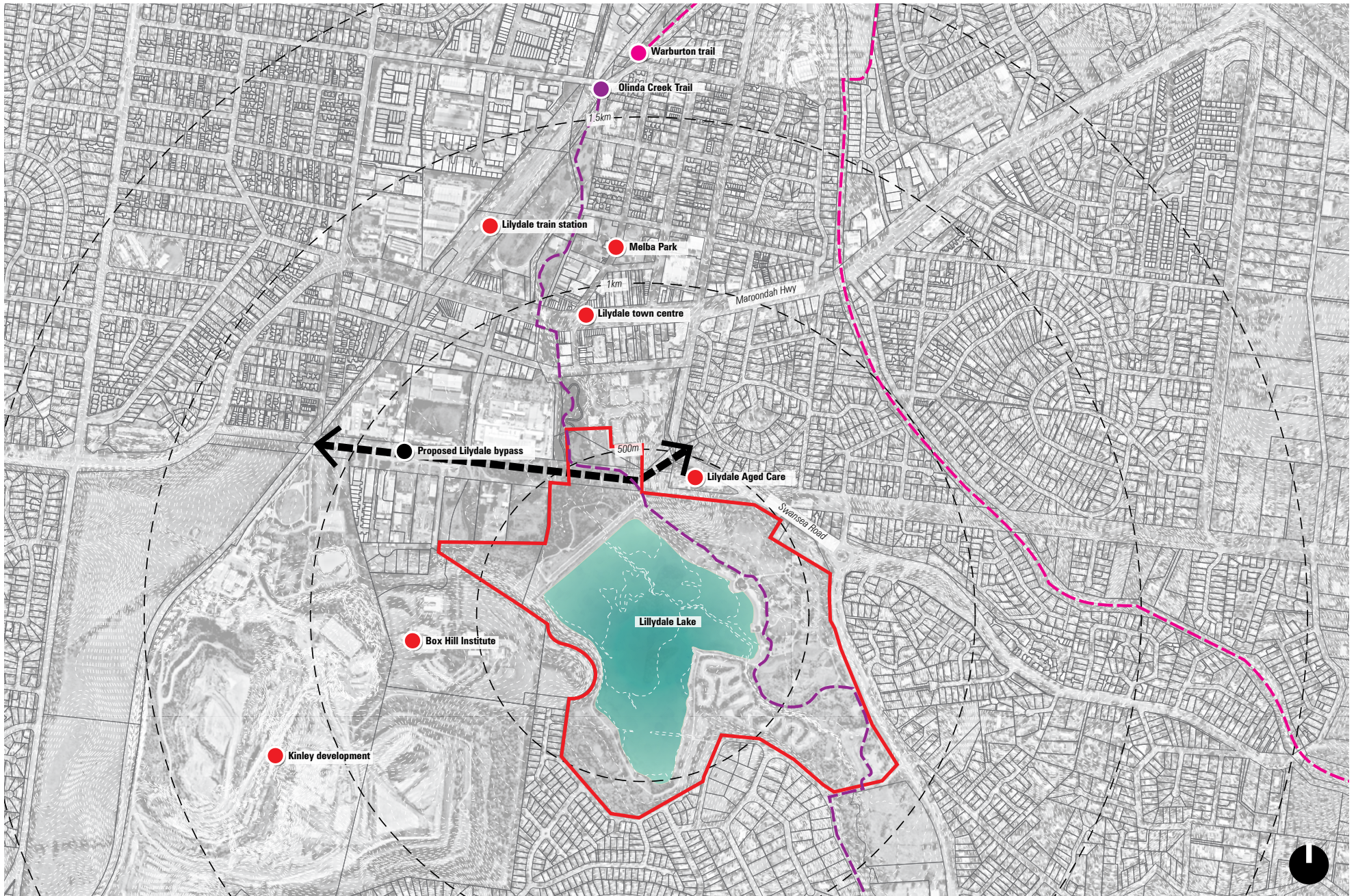


figure 2 Subject site and surrounding context
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Study area

The site is located central to Lilydale, approximately 1km south of the Lilydale train station and town centre.

Surrounding context

To the immediate south of the site, low-scale residential with a 1-2 storey detached dwelling character currently exists. Many interfaces are bordered by local streets with minimal direct connections to the park. The Olinda Creek corridor extends to further open space and wetlands outside the scope of this project (including Hull Road, Wetlands).

To the immediate west of the site is the Box Hill Institute, Lilydale Lakeside Campus which features large open grass areas and one primary connection and one secondary street access connection to the park. Further west is the existing quarry site which is located to the rear of the Box Hill Institute site which is subject to future residential development (Kinley Development).

To the immediate north, Swansea Road bounds most of the site, with low-scale residential 1-2 storey detached dwelling occurring opposite as well as an aged care facility. There is a clear and direct entrance to the Yarra Ranges Council offices and Lilydale Tennis club. Further north is the heart of the Lilydale Activity Centre, boasting commercial activity and train linkages.

To the immediate east, Swansea Road forms most of the boundary edge, with low-scale residential 1-2 storey detached dwelling character occurring opposite. The car primary parking entrance for the park is accessible from this interface.

Landscape character

Lillydale Lake is positioned between four high points (hills) resulting in a landform that falls to the lake and immediate lake surrounds.

Vegetation is predominately native/indigenous with significant aquatic grasses and reeds to the wetland and lake edge.

Future growth in Lilydale

The Kinley Development will introduce approximately 8000 new residents to Lilydale which will likely put additional pressure on existing facilities at Lillydale Lake.

User groups

Lillydale Lake is home to several user groups including the Yarra Valley Fly Fishers, Lilydale Radio Yacht Club, Lilydale Community Sailing Club, Canoeing Victoria (Paddle Victoria) and Lillydale Lake - Park Run. Outside of these formalised groups the park is frequently used by families and casual runners. The majority of visitors who visit the lake are dog walkers.

Access to trails

Lillydale Lake is approximately 1.7km south of the start of Warburton Trail.

Lillydale lake is directly connected to the Olinda Creek Trail, with parts of the trail passing through the site.





figure 3 Subject site
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History

Local Indigenous Cultural Heritage:

The Wurundjeri people, as part of the Kulin Nation first occupied the land that is today managed by Yarra Ranges Council.

The Wurundjeri people are the traditional owners of the place Yarra Ranges. For at least 35,000 years they have inhabited the lands that lie within the inner city of Melbourne, extending north to the Great Dividing Ranges, east to Mt Baw Baw, and south to Mordialloc Creek and west to the Werribee River.

The Olinda Creek was known as Gnurt-Billeworrund to the Wurundjeri people, referring to hunting of wild duck in the swamplands of Mooroolbark, Montrose and Lilydale.

Olinda Creek:

Prior to European settlement, Lilydale would have been an area of low, rolling hills draining into Olinda Creek.

Olinda Creek would have been the principal water source of the region and would have been subject to seasonal flooding. Swamps and seasonal drainage lines would have patterned the landscape, providing both water and riparian resources to the region.

Cashin's Flour Mill:

At Lillydale Lake stand two sandstone walls, which are the remains of a two story flour mill. The mill was built by Hugh Kneen of Fitzroy, in the 1850's, then established and run by James Cashin and his family.

Wetland & Lake:

The lake and wetland areas are operated and managed by Melbourne Water. Following floods in September 1984, construction of the lake was proposed to prevent future flooding and provide recreational facilities. Construction began in 1988 and was completed in June 1990. It was officially opened to the public on 7 July 1990. The lake covers 28 hectares with a 440 metre long dam wall.

The lake is approximately 1.5 - 2m deep and has the capacity to manage a 1:100 year flood event (3m or just over).

A section of walling to the north-west corner of the lake functions as a 'break-out' point and includes existing barriers (to restrict access and use).

The two islands within the lake assist with water movement for water quality, but also function as important refuges for the local wildlife. The system of wetlands to the south-east of the lake play an important role in managing water quality. Council's vision for Lillydale Lake is to promote Conservation and Recreation.





BACKGROUND REVIEW

Background review

Zones within site boundary

Public Park & Recreation Zone

Lilydale Lake is within a Public Park & Recreation Zone (PPRZ). The purpose of the Public Park & Recreation Zone is:

- To recognise areas for public recreation and open space.
- To protect and conserve areas of significance where appropriate.
- To provide for commercial uses where appropriate.

Public Use Zone - Schedule 2

The north-west corner of the subject site falls within a Public Use Zone (Schedule 2). This is classified for education purposes due to the adjacent Box Hill Institute of TAFE site. The primary purpose is to allow for public utility and community services and facilities.

Zones adjacent to site boundaries

Public Use Zone - Schedule 1

This zone relates to the electrical facility/substation to the north-east of the study area. The purpose of Public Use Zone - Schedule 1 is listed in the planning scheme with particular regard for 'Service and Utility':

- To recognise public land use for public utility and community services and facilities.
- To provide for associated uses that are consistent with the intent of the public land reservation or purpose.

Any proposed signage within this zone must adhere to conditions for permit approval in clause 52.05 under category 4 (sensitive areas).

Industrial Zone - Schedule 1

To provide for the manufacturing industry, the storage and distribution of goods and associated uses in a manner which does not affect the safety and amenity of local communities.

Public Use Zone - Schedule 3

The adjacent land-use to the north falls within Public Use Zone – Schedule 3. The purpose of this land is listed in the planning scheme with particular regard for 'Health & Community' there is also the Lilydale Aged Care sited on this lot.

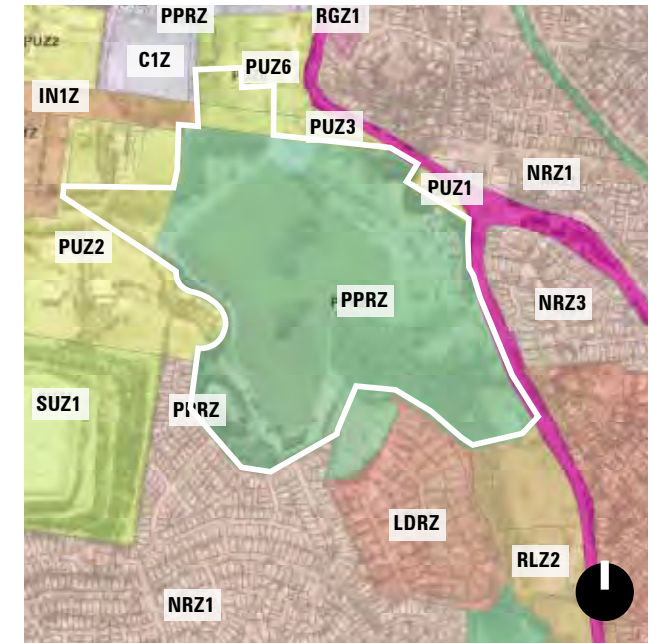


figure 4 Zones

Public Use Zone - Schedule 6

The adjacent land-use to the north falls within Public Use Zone – Schedule 6. This location includes the site of Yarra Ranges Council, Lilydale offices and associated car park, Lilydale RC Car Track, Lilydale Skateboard Park, Lilydale Tennis club. The purpose of this land is listed in the planning scheme with particular regard for 'Local Government':

- To recognise public land use for public utility and community services and facilities.
- To provide for associated uses that are consistent with the intent of the public land reservation or purpose.

Road Zone - Schedule 1

Road Zone 1 (Montrose Road) abuts the boundary of the Lillydale Lake to the north and east. The purpose of the Road Zone is:

- To identify significant existing roads.
- To identify land which has been acquired for a significant proposed road.

Rural Land Zone - Schedule 2

The adjacent land-use to the south-east falls within a Rural Land Zone (Schedule 2). The purpose of this zone is to provide the following uses:

- To provide for residential use in a rural environment. To provide for agricultural land uses which do not adversely affect the amenity of surrounding land uses.
- To protect and enhance the natural resources, biodiversity and landscape and heritage values of the area.
- To encourage use and development of land based on comprehensive and sustainable land management practices and infrastructure provision.

Low Density Residential Zone

Residential areas adjacent to the south of Lillydale Lake are controlled under the Low Density Residential Zone. The purpose of this land is to control built form to ensure low density, single dwelling residential use as the primary function of the area is maintained.

Neighbourhood Residential Zone - Schedule 1

Residential areas that fall within the Neighbourhood Residential Zone to the south-west of the study area are identified and controlled as predominantly single and double storey residential development. The purpose for this zone is as follows:

- To manage and ensure that development respects the identified neighbourhood character, heritage, environmental or landscape characteristics.
- To allow educational, recreational, religious, community and a limited range of other non-residential uses to serve local community needs in appropriate locations.

The Yarra Ranges Local Policy list these sites as 'Incremental change' which have additional conditions to do with preserving the landscape character, environmental values and to retain low density sustainable living.

Implications

Within the Public Park & Recreation Zone, minor changes including planting and landscaping and installation of smaller furniture items may not require a planning permit. However, other building works will need to consider impacts on the care and management of the land or adjacent land.

Within the Public Use Zone - Schedule 2, a permit is required to construct a building or construct or carry out works.



Overlays within study area

Land Subject to Inundation

The purpose of this overlay is:

- To identify land in a flood storage or flood fringe area affected by the 1 in 100 year flood or any other area determined by the floodplain management authority.
- To ensure that development maintains the free passage and temporary storage of floodwaters, minimises flood damage, is compatible with the flood hazard and local drainage conditions and will not cause any significant rise in flood level or flow velocity.
- To reflect any declaration under Division 4 of Part 10 of the Water Act, 1989 where a declaration has been made.
- To protect water quality in accordance with the provisions of relevant State Environment Protection Policies, particularly in accordance with Clauses 33 and 35 of the State Environment Protection Policy (Waters of Victoria).
- To ensure that development maintains or improves river and wetland health, waterway protection and flood plain health.

Heritage Overlay & Schedule to Clause 43.01 Heritage Place H058 - Cashin Bros Mill (ruins)

Cashin Bros Mill (ruins) are the sole physical remains of the region's wheat farming era of the 1850's and 1860's. The remains are significant because it was one of the first flour mills built in Victoria. It was also one of the first landmarks in the area, and existed before the Lillydale township.

Background Report MARCH 2021 / REV B

Overlays adjacent to study area

Design & Development Overlay - Schedule 5 (DDO5)

The purpose of Design and Development Overlay (Schedule 5) - 'Least Change Areas' is:

- To provide a planning framework to guide limited residential development and subdivision.
- To protect the special features and unique character of these areas from increased dwellings.
- To ensure development is at a scale consistent with the unique character of the foothills and rural townships and enhances neighbourhood character as defined in the associated Significant Landscape Overlay.

Significant Landscape Overlay - Schedule 22 (SLO22)

The residential landscape to the east of Lillydale Lake has a semi-forested quality unique in Lillydale, and creates a prominent landscape feature in its own right. It can be viewed by those arriving at Lillydale Lake via Anderson Street and contributes to the sense of arrival for visitors to the lake.

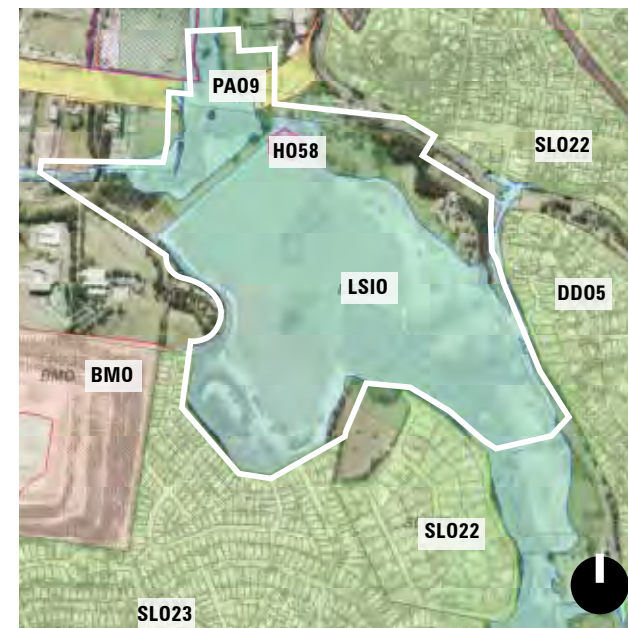


figure 5 Overlays

Significant Landscape Overlay - Schedule 23 (SLO23)

The residential landscape to the south of Lillydale Lake is characterised by established or new/establishing gardens of both native and exotic plants. Properties within this overlay on roads bordering Lillydale Lake Park generally have outlooks into the dense native vegetation buffer at the edges of the park and are well screened from park users.

Area of Aboriginal Cultural Heritage Sensitivity

A large portion of the site falls within an area sensitive to Aboriginal Cultural Heritage. Any proposed activity within this area is protected under the 2006 Aboriginal Heritage Act and must adhere to the 2018 Aboriginal Heritage Regulations. Before starting any new works within the park, it is important to understand if it could affect Aboriginal Cultural Heritage and a Cultural Heritage Advisor may need to be engaged.

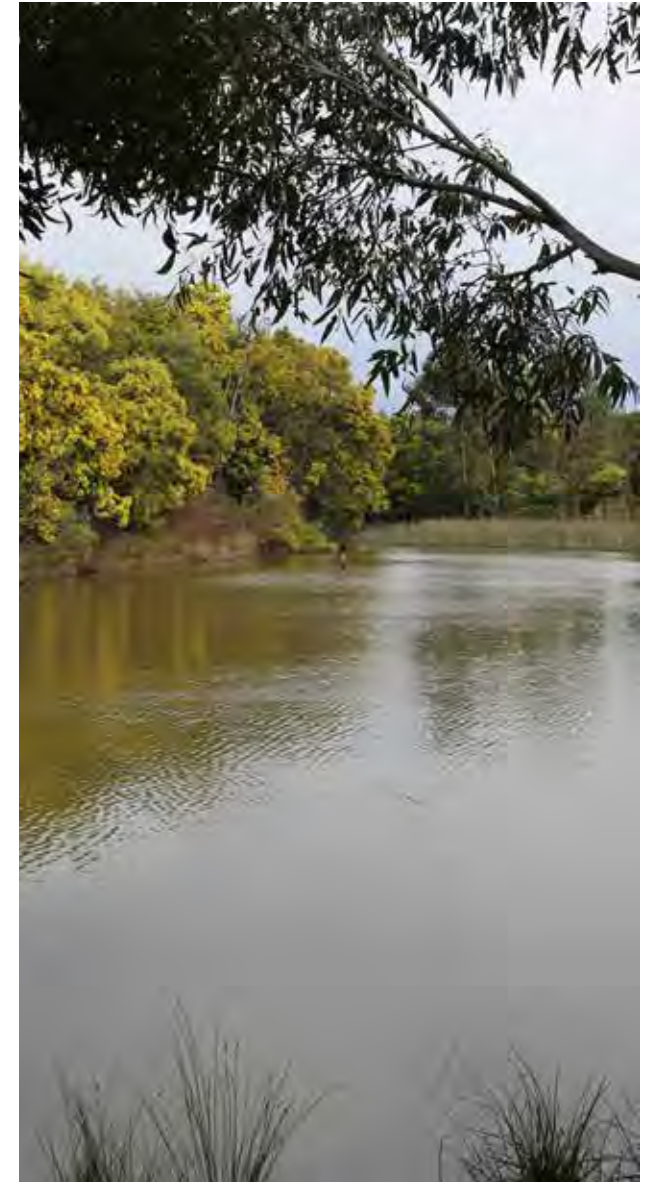
Implications

Whilst any new development (that is not habitable), shelter or fence would not require a permit under the Land Subject to Inundation Overlay, any new developments should consider appropriate environmentally sensitive drainage design solutions that supports recreational use to the extent possible.

Any works proposed near the existing Cashin Bros Mill structure should be considerate of impacts that may further degrade the ruins, including any introduced facilities that may increase activity nearby.

Similarly, any work that may disturb the ground and is within or near to areas of Aboriginal Cultural Heritage Sensitivity may require the preparation of a Cultural Heritage Management Plan (CHMP).

Nonetheless, for any new development within the site that does not require a Cultural Heritage Management Plan, but may involve ground disturbance, it is recommended that a voluntary CHMP a prepared for the site to increase certainty for the project. Certainty would therefore be provided during the planning stage and there will be no requirement for Cultural Heritage Permits during construction phases.



Strategic policies and documents

The following relevant documents have been reviewed to provide an understanding of the site and the broader context of the Yarra Ranges strategic future. The documents consist of both strategies and policies that guide development, natural resources management and safety within the municipality and the wider metropolitan region that are applicable to Lillydale Lake.

Overall Strategic Documents

Melbourne 2030 (2003)

Metropolitan Melbourne (Melbourne 2030) designates Lillydale as a Major Activity Centre due to its importance as a major node of business, employment and transport infrastructure. As a designated Major Activity Centre (MAC), Lillydale is seen as providing major opportunities for the further clustering of activities to minimise dependency on motor vehicle transport and to maximise public transport use. This promoted intensification of development within MACs must be recognised as an important part of the context for Lillydale Lake.

Yarra Ranges Council Plan 2017-2021(2016)

The Yarra Ranges Council Plan is an overarching document providing a summary and projections for the future population, demographic, environmental, commercial and industrial factors to be taken into consideration when planning and developing within the municipality. This includes an extensive public consultation conducted in 2016 to identify key visions and objectives to be delivered by 2036.

The document has identified the social, financial and environmental challenges to be addressed in the delivery of Council's vision and has proposed five principles moving forward to accomplish these Council goals.

Connected and Healthy Communities

- *Communities are safe, resilient, healthy, inclusive and socially well connected. Quality services are accessible to everyone.*

Quality Infrastructure and Livable Places

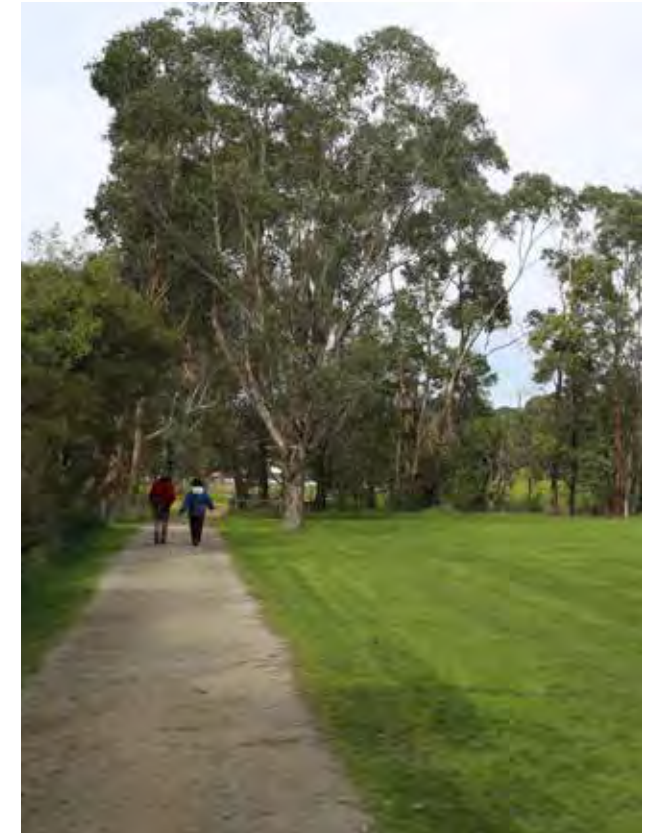
- *Quality facilities and infrastructure meets current and future needs. Places are well planned and hubs of activity that foster well-being, creativity and innovation.*

Protected and Enhanced Natural Environment

- *A healthier environment for future generations.*

Vibrant Economy, Agriculture and Tourism

- *Our tourism, agriculture, health, manufacturing and other industries are leading and dynamic. Strong investment and attraction underpin sustainable economic growth and job creation.*



High Performing Organization

- *An innovative, responsive organisation that listens and delivers quality, value for money services to our community.*

As a major recreational open space with a diverse range of programs, activities and facilities, Lillydale Lake is a key location for the comprehensive delivery of the Council's vision.

Yarra Ranges Reconciliation Framework for Action (2013-2023)

The Reconciliation Framework contains specific actions to be developed yearly to achieve the broader reconciliation goals for the Yarra Ranges community.

The annual actions are broken into the following themes:

Health, Healing and Spirit

Improve Indigenous Health and Wellbeing through recognising and acknowledging the legacy of cultural loss and engaging in healing by reclaiming cultural practice and identity.

Participation

Increase Indigenous voices in contemporary society and community life.

Service Access

Improve service access including access to Council services for Indigenous families.

Strengthening Cultural Heritage

Publicly acknowledge and respect Indigenous culture and heritage in Yarra Ranges.

Yarra Ranges Activity Centre Network Strategy (2012)

The report provides guidance for the future development of Yarra Ranges activity centres including the Lilydale Major Activity Centre, based upon forecasted growth in population and the subsequent opportunities likely to occur in these centres.

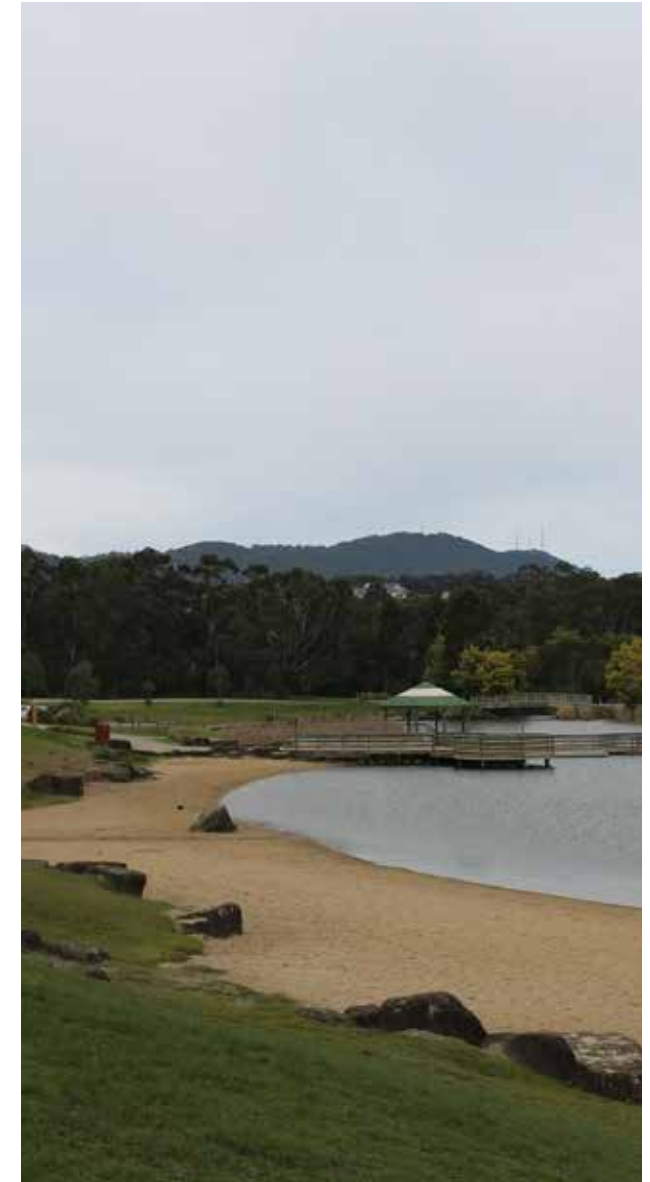
It highlights the significance of Lilydale in the provision of services, facilities and employment opportunities for Yarra Ranges residents. Of note, the report identifies that there are opportunities to improve the diversity of uses including “the development or introduction of additional community facilities, an increase in residential densities surrounding activity centres, improved tourism infrastructure and entertainment facilities”.

Lilydale Major Activity Centre Structure Plan - Issues and Opportunities Paper (2020)

This issues and opportunities paper seeks to bring together a range of potential land use and structural changes for Lilydale which will be used to assist in preparation of the Lilydale Structure Plan.

The paper identifies Lilydale Lake as having limited pedestrian and cycling connections and limited wayfinding within the centre. Olinda Creek is identified as a key opportunity to improve connections between Melba park, Lilydale Lake and the town centre.

This paper also identifies the future bypass opportunities including maximising vegetation on either side of the bypass for visual screening.



Landscape & Environment

Integrated Water Management Plan (2017)

The Integrated Water Management Plan (adopted in 2017) sets the strategic direction for the sustainable management of water resources for Council over the next 5 years. It builds upon past achievements of the Council and plans to manage all aspects of water efficiently including water supply, water waste, surface water, ground water and stormwater.

There are a number of objectives within the vision guided by key principles for integrated water management. It is both the responsibility of the Council, Melbourne Water, Water Corporations (Yarra Valley Water and South East Water) and a number of other key water authorities to be responsible for the water's future in the Yarra Ranges.

Environment Strategy 2015 -2025

This strategy was written to recognise the value that the community places on the environment and to set a direction that will support the protection of environmental assets such as the diversity of landscapes, waterways, plants and animals. It highlights the value of the Yarra Ranges environment and its positive linkage to human health and tourism. Of particular note is the following principle for council's approach: **Think long-term rather than short-term**. This principle should be considered in the formation of recommendations made by this report, which should focus on enduring results, values and outcomes.

Health and Wellbeing Strategy 2017-2021

This document recognises the complexity and inter-connection of many underlying causes of poor health and wellbeing. Through this strategy the significance of a healthy community is outlined and priorities and initiatives are set.

Two major relevant initiatives outlined in this strategy encourage physical activities such as walking and increased access to clean drinking water. Lillydale Lake has great potential to deliver on the objectives of this strategy. Review of facilities and connections will be explored and considered and applied to the final master plan.

Recreation & Open Space Plan: Strategic Framework 2013-2023

The Recreation and Open Space Plan is an overarching framework which informs and guides the development of recreation and open spaces within the Yarra Ranges municipality. Extensive public consultation and analysis has been undertaken by Council in order to assess the quality of the open spaces within the municipality and their capacity to accommodate existing uses as well as projected future demands. This document clearly identifies the importance of recreation and open space through the lens of social, environmental and economical benefits, as well as affirming Council's commitment to delivering and maintaining these spaces for the local communities.

The document identifies a set of criteria used to assess the status and characteristics of open spaces based on their size, catchment and use, informing the design requirements and outcomes. Lillydale Lake falls within the social recreation category assessed by this document. As such, the quality and design outcome provided by this document will inform the design outcomes of the Lillydale Lake Master Plan.

Landuse & Activity

Child and Youth Strategy 2014-2024

This strategy outlines Council's approach for promoting positive outcomes for children and young people aged 0-25 years and their families in Yarra Ranges. This strategy recommends that Council ensures that adequate infrastructure is put in place to meet the needs of this demographic. Currently, Lillydale Lake provides outdoor recreation opportunities for children and youth through the existing play facilities and aquatic facilities. It is important to consider their suitability to cater to this user group in the future and how any upgrades to existing facilities or new infrastructure may be beneficial to this growing demographic.

Yarra Ranges Domestic Animal Management Plan 2018 - 2021

The purpose of the Domestic Animal Management Plan (DAMP) is to provide Council with a framework for identifying and addressing matters associated with the management and wellbeing of cats and dogs over the next four years. One of the major relevant objectives is to plan for the needs of dog owners and their dogs in public spaces with considerations of other open space uses/requirements.

From many Survey respondents, it was highlighted that there were the following concerns around fenced off-leash areas:

- Dog owners do not actively supervise their dogs, or leave them unsupervised on off lead areas.
- Dog owners bring dogs with an inappropriate temperament or poorly trained dogs.

Within Lillydale Lake, a significant amount of visitors own dogs. Ensuring safety is a crucial element to be addressed. Currently there are no fenced off-leash areas and three areas nominated as off-leash. Opportunities for enhancing existing facilities will be explored and considered and applied to the final master plan.

VISION 2020 Community Plan (2008)

The Yarra Ranges Vision 2020 Community Plan outlines a vision set by the community in 2008. The key objectives set for 2020 that are relevant to this project are as follows:

- There exists a greater sense of personal security and neighbourhood safety.
- It is safer to move around the Shire.
- Public transport and alternative means of transport are effective and utilised.
- Public health has been improved.

It is important to consider the potential role of Lillydale Lake in improving the safety and perceptions of safety for the Lilydale community as well as providing active recreational facilities to facilitate a healthier community.

Cultural Policy & Action Plan 2008-2013

This policy is formed to achieve the community vision set in the overarching Vision 2020 document (2008). The relevant themes and objectives listed around art, culture and heritage are understood as intrinsic to public place through the following key goals:

- Enhance public spaces by regularly presenting arts and heritage activities for the benefit of the whole community.
- Provide and maintain high quality arts and heritage facilities as a platform for the community to participate in arts and heritage activities.

Yarra Ranges Community Safety Plan 2013-2018

The Yarra Ranges Community Safety Plan outlines the Council's commitment to improve public safety to ensure that "Individuals, families and communities are confident and resilient; they feel safe and are safe". A number of safety priority areas have been developed based upon injury and crime statistics and the results of the Yarra Ranges Community Perceptions of Safety survey. It is important to consider the potential role of Lillydale Lake in improving the safety and perceptions of safety for the Lilydale community. In particular, the relationship that cyclists and pedestrians have with roads and the role that these sites may play in reducing safety risks.

A photograph of a park path leading to a lake. In the foreground, a gravel path curves from the bottom center towards the middle ground. To the left of the path, there is a tall, thin street lamp with a curved arm and a lampshade. The path leads to a paved walkway that runs parallel to a body of water. A person is walking on the paved path in the distance. The background features a line of trees and a cloudy sky. The image is partially obscured by a white triangle on the left side.

SITE ANALYSIS

Site Analysis

Vegetation

The vegetation character surrounding the site is predominately native and well established with clusters of dense planting surrounding wetlands and bordering the park. The most common tree species identified on-site are Eucalyptus, Acacia and Allocasaurina. There is a strong landscape character (which is identified as dense clusters of same or similar species) in the following areas:

- 1 Acacia Sp.
- 2 Eucalyptus Sp.
- 3 Dense mixed planting surrounding wetlands.
- 4 Aquatic grasses
- 5 Melaleuca & Leptospermum Sp.
- 6 Ulmus sp.

Understory planting is well established and does not impact on any footpaths or infrastructure. Planting in areas surrounding the wetlands are dense with trees and aquatic grasses.

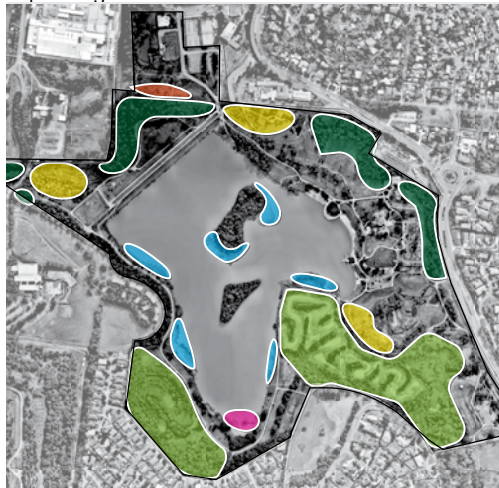


figure 6 Vegetation character

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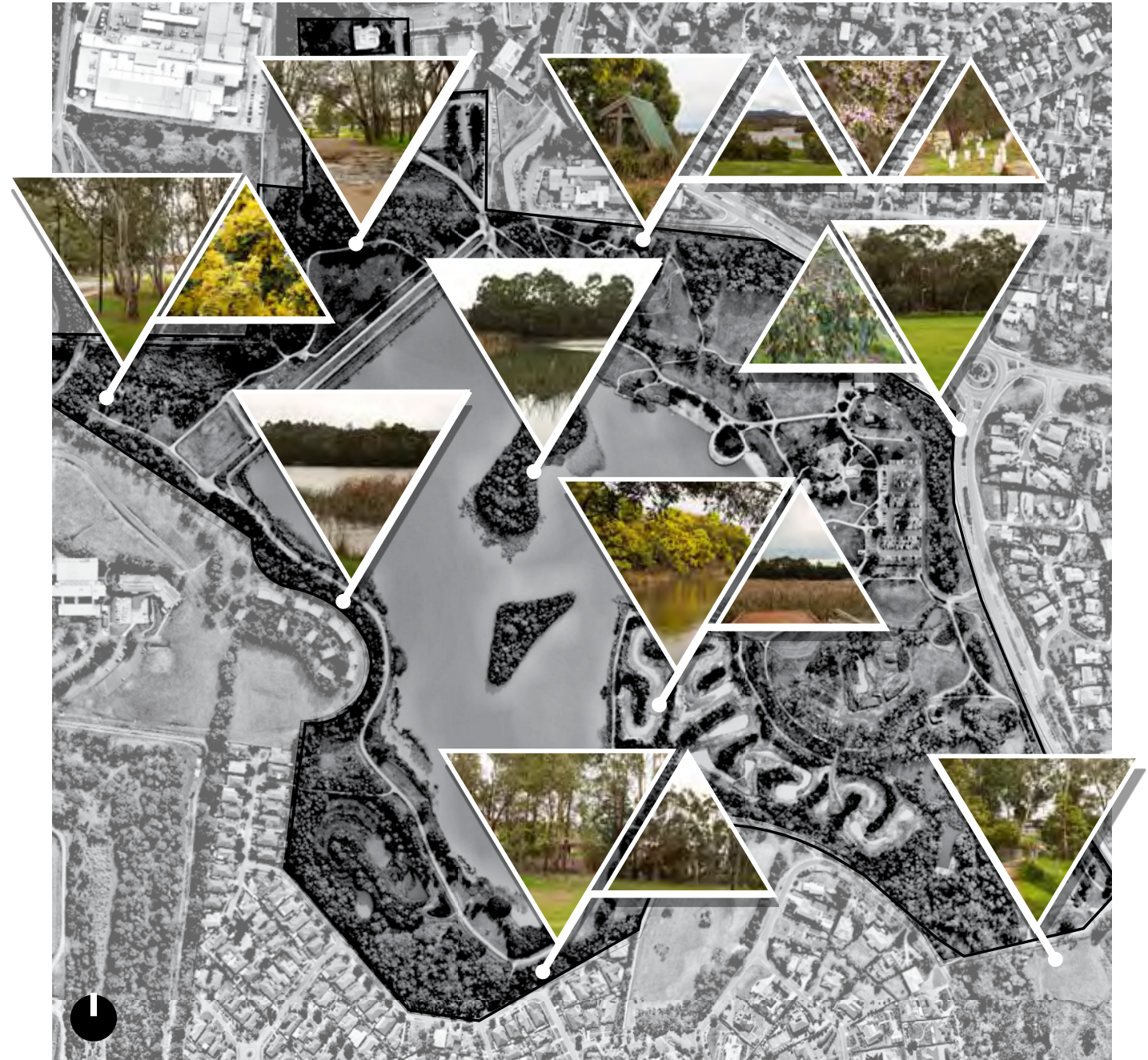


figure 7 Site photos map

Surfaces

The majority of the pedestrian pathways surrounding the lake are wide and constructed of compacted crushed rock. Concrete is limited to roads and parking areas with small areas of concrete used primarily for accessibility around the existing playground.

To the south eastern corner of the site, the carpark and entrance/exit lane are also entirely constructed of compacted crushed rock.

There are feature timber boardwalk structures on the lake, wetlands and sand (beached area). In some locations rocks are used to denote entrances and edges.

The main existing path types are as follows:

- 1 Compacted crushed rock
- 2 Concrete
- 3 Timber decking



figure 8 Surfaces and materials

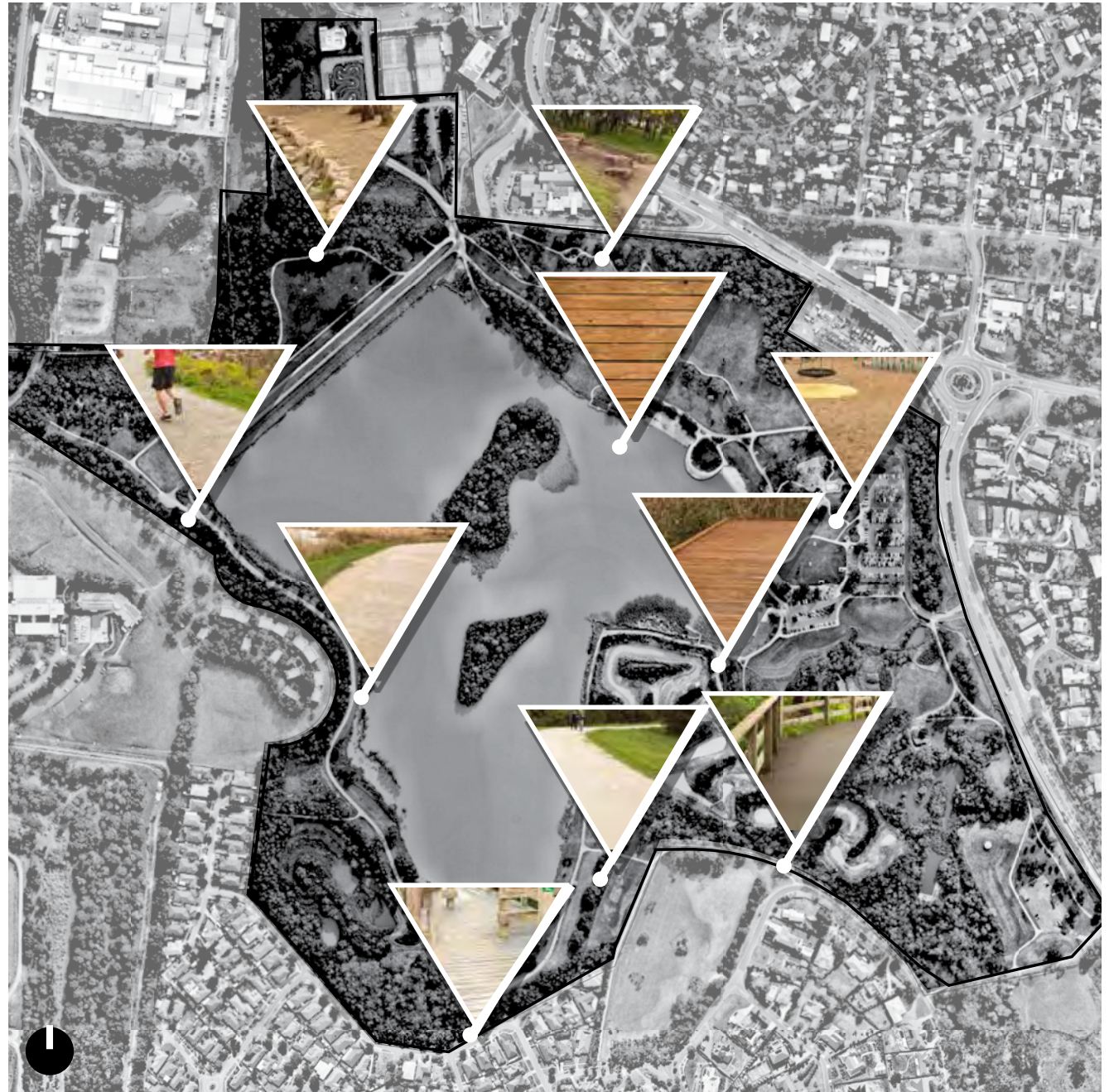


figure 9 Site photos map

Furniture

Seating, bins, shelters, drinking fountains and several barbecues are provided. Outside of this area there are occasional seats positioned below iconic shelters (positioned on the main trail surrounding the lake).

There is adequate signage and wayfinding, though there is limited signage to the site perimeter.

Lighting has recently been installed to the primary pedestrian path. One section of the path (north-west lake edge) has no lighting due to land managed by Melbourne Water, however, there are various solar lights recently installed to the dog off-leash area. The existing furniture, signage and lighting are as follows:

- 1 Paths with lighting
- 2 Shelters with seating
- 3 Signage (information)
- 4 wayfinding

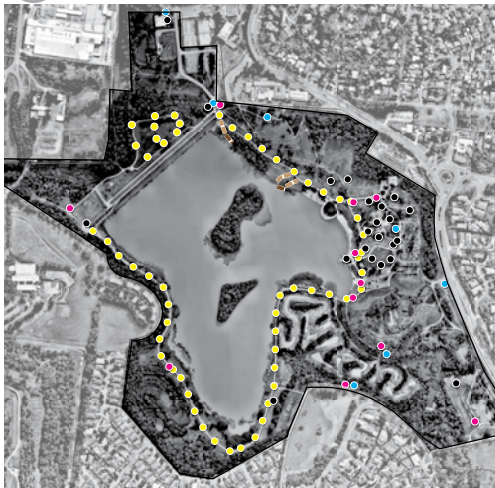

































figure 10 Shelters, signage and lighting
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figure 11 Site photos map

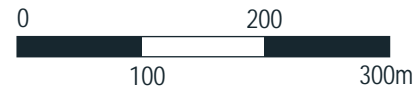
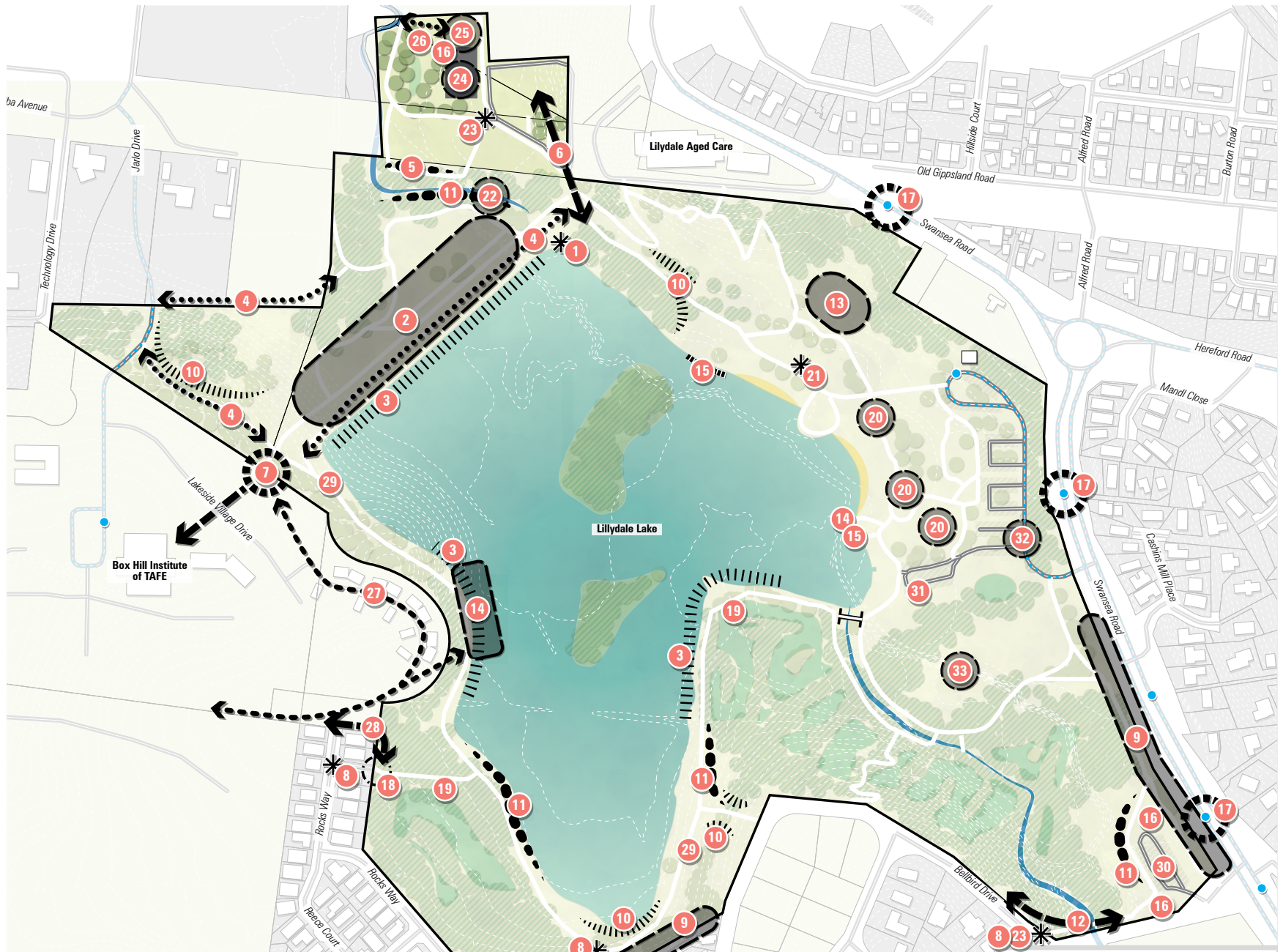
Site analysis plan

- Legend**
- Subject site 
 - Heritage site 
 - Primary entrance 
 - Secondary entrance 
 - Gravel pedestrian path 
 - Olinda Creek trail 
 - Sealed pedestrian path 
 - Boardwalk 
 - Lighting to path 
 - Specific views 
 - Panoramic view 
 - Visual barrier 
 - Exposed edge 
 - Noise impact 
 - Shelter 
 - Signage with shelter 
 - Signage wayfinding 
 - Pedestrian bridge 
 - Bus route 
 - Existing vegetation 
 - Strong vegetation character 
 - Wetland/lake 
 - Olinda Creek 
 - Beach 
 - Car park (sealed) 
 - Car park (unsealed) 
 - Built form 
 - Residential interface 
 - Adjacent open space 
 - High/Low point 
 - Contours 



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Issues & Opportunities plan



Issues

- 1 Existing fencing detracts from appreciation of existing heritage site.
- 4 No lighting to footpath
- 6 Council carpark currently underutilised
- 7 Entrance from Box Hill Institute is not accessible for all, has limited views and wayfinding to library
- 8 No signage to park entrance
- 9 Exposure to outside uses
- 10 Existing sight lines are poor
- 12 Lillydale Lake looping track feels disconnected at Bellbird Drive

Opportunities

- 1 Opportunity to improve sight lines to heritage site by reviewing existing fencing
- 2 Opportunity to enhance embankment with low level native/indigenous planting (subject to approval by Melbourne Water)
- 3 Opportunity to improve lake interface with low level native/indigenous planting (subject to approval by Melbourne Water)
- 4 Opportunity for lighting to footpath (subject to approval from Melbourne Water where required)
- 5 Opportunity to Undertake arboricultural assessment of mature Elm row for health and safety
- 6 Opportunity to improve car park connection and signage. Opportunity to increase awareness of the various car parks that link with the Lillydale Lake Precinct.
- 7 Opportunity to improve entrance character and signage
- 8 Opportunity to improve signage and wayfinding
- 9 Opportunity to review planting density
- 10 Maintain annual vegetation pruning for safe view lines
- 11 Opportunity to consider new picnic benches
- 12 Opportunity for new path aligned within the park boundary
- 13 Opportunity for additional informal seating & canopy trees for use in association with new bike circuit and community event space.

Issues

- 15 Existing decking condition is poor
- 17 No pedestrian connection to bus stop
- 18 Access to park is via a steep sloped path
- 23 No signage to Olinda Creek trail
- 24 Melbourne RC Circuit Racers site is currently underutilised
- 25
 - Skate park has underutilised open space and does not have access to a public toilet
 - Skate park has no lighting for night time use
 - External public viewing of the cars on race days conflicts with broader use of the existing shared trail in this location

Opportunities

- 14 Opportunity for new look-out and jetty for water based activity
- 15 Opportunity to replace and/or upgrade decking structures
- 16 Opportunity to enhance native/indigenous planting
- 17 Opportunity to create pedestrian connection from bus stop to Lillydale Lake and Bellbird Park
- 18 Opportunity to amend grades for DDA compliance
- 19 Opportunity to include additional lookouts to wetlands
- 20 Opportunity to add and/or upgrade barbecue facilities and locations
- 21 Existing fitness station to be reviewed
- 22 Opportunity to improve the Olinda Creek informal crossing
- 23 Opportunity for new signage and wayfinding for Olinda Creek pathway
- 24 Opportunity to open the site for public access with adjacent skate park
- 25
 - Opportunity to plant native/indigenous planting surrounding park, opportunity for half-court basketball court.
 - Opportunity to add pole-top lighting
 - Opportunity to add off-track training circuit within surrounding landscape

Issues





- 27 No pedestrian access from Kinley development to Lillydale Lake. Limited connections for Box Hill Institute to Lillydale lake
- 28 No pedestrian access from Kinley development to Lillydale Lake. Limited connections from Box Hill Institute to Lillydale Lake.
- 29 Current shelter does not provide adequate shade

- 32 One-way section of main car park can cause congestion in peak times

Opportunities

- 26 Opportunity to create connection from Olinda Creek trail to skate park (subject to approval from Melbourne Water)
- 27 Option 1: DDA compliant path from future Kinley development to Lillydale Lake
- 28 Option 2: DDA compliant boardwalk from future Kinley development to Lillydale Lake
- 29 Opportunity to review shelter to provide better shade and protection from the elements
- 30 Opportunity to upgrade and seal existing carpark
- 31 Opportunity to improve signage and access from the car park to the designated dog of leash area to the south (mound)
- 32 Opportunity to review carparking layout
- 33 Opportunity to review and increase dog off-leash use as the land changes from dredging.

Non location specific opportunities

-  Opportunity to improve connections, wayfinding and access to Box Hill Institute, Lilydale town centre & rail station, Olinda Creek, Lilydale-Warburton Rail Trail & Carrum-Warburton Trail (including information indicating directions and distances to key destinations).
-  Opportunity to incorporate interpretative signage / information on indigenous cultural heritage close to Olinda Creek
-  Opportunity to incorporate interpretation of indigenous cultural heritage in consultation the local indigenous community.
-  Opportunity to review DDA access and facilities at Lillydale Lake.
-  Review seating spacing around the lake to ensure they are adequately spaced for older / less mobile participants.