Albert-Eden Urban Ngahere Action Plan 2021







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The Whats, The Whys & The Whens

Introduction



Image 1: View of a streetscape in a residential area

The Albert-Eden Urban Ngahere Action Plan is a positive step towards seeking to recognise and replenish Tāmaki Makaurau's urban ngahere. It is the result of determined advocacy of the Albert-Eden Local Board, community groups and stakeholders.

We are proud to produce a localised urban ngahere action plan which is intended to deliver on Auckland Council's Urban Ngahere (Forest) Strategy¹. We are also committed to enhancing the urban ngahere and biodiversity within our local board area.

We have developed the Albert-Eden Local Board Ngahere Action Plan to connect our parks and open spaces. We will also continue to explore planting opportunities through these corridors to increase biodiversity and will seek to encourage important community initiatives; such as native urban ngahere regeneration, pollinator paths and the planting of fruiting species.

The Albert-Eden Local Board supported the development of a canopy analysis report to address the pressures on the urban ngahere and loss of tree cover, and to meet the targets set in Auckland's Urban Ngahere Strategy¹.

This strategy has a stated target to increase Tāmaki Makaurau's tree canopy cover from a regional estimate of 18 per cent (as assessed in 2013) to 30 per cent by 2050. The strategy also states an aim of having at least 15 per cent tree canopy cover in every local board area within this timeframe. Given the above, it is clear that a coordinated approach to achieving the targets for both local board areas and region-wide is necessary.

With the extent of the urban ngahere in the Albert-Eden Local Board area having now been assessed, we understand the need for a large number of planting projects to be committed to in the short and medium term. This will ensure that a flourishing urban ngahere can continue to develop into the future. Extensive national and international urban ngahere studies are in agreement about the benefits that the "lungs of a city" can bring to its inhabitants.

Introduction continued

There are numerous benefits associated with having, developing and maintaining a flourishing urban ngahere.

The Auckland's Urban Forest Canopy Cover: State and Change (2013 – 2016/2018) report states that the Albert-Eden Local Board area has 22 per cent canopy cover²; 7 per cent above the desired minimum local board target detailed in Auckland's Urban Ngahere (Forest) Strategy¹ – please refer to the Albert-Eden Local Board LiDAR urban tree map below.

With a significant percentage of the local board area's 'suburban' urban ngahere assessed as growing on private land (which is subject to little, if any, tree protection legislation, by-laws or policies), it is reasonable to assume that, since the data was last captured and with no coordinated tree planting plan in place, urban ngahere canopy coverage within the local board area will have declined. There are many different influences that can impact on our local natural environment and commitment to a well-considered tree planting action plan is required. For the betterment of our collective urban ngahere, the local board is pleased to make such a commitment.

A coordinated action plan, along with an effective long-term maintenance regime and well considered tree protection legislation, by-laws or policies will go a long way towards protecting, enhancing and maintaining a vibrant and essential urban ngahere within the local board area.



Map 1: Local Board urban tree map - canopy cover by percentage based on 2013 LiDAR



Ngā painga o te ngahere ā-tāone o Tāmaki Makaurau Benefits of Auckland's urban ngahere



water quality



Increase property values

Reduce flood risk

Reduce energy costs

Economic

Reduce healthcare costs



Support education

Local food growing

Sustain and enhance mauri

Cultural heritage

Cultural



Urban Ngahere Strategy

Knowina Tāmaki Makaurau needs to know the status of its urban ngahere, the extent, number, and distribution of trees as well as their size, health and condition. Understanding the social, environmental, economic, and cultural value of Tāmaki Makaurau's ngahere and quantifying the benefits it provides will support better informed, strategic decision making about its management and growth.

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Engage Engage with partners and stakeholders – with mana whenua, residents, private landowners, community organisations, network utility operators and the private sector to ensure the urban ngahere is well managed, its benefits are well recognised and that growing and protecting the urban ngahere on public and private land is widely supported.

Manage





Objectives

Growing

Tāmaki Makaurau needs to grow its urban ngahere to increase and amplify the benefits trees provide and to address the inequity of where the ngahere is distributed across the region. By expanding and enriching its urban ngahere, Tāmaki Makaurau will maximise the social, environmental, economic and cultural benefits that trees, shrubs and other vegetation bring to an urban environment.

Protecting

Protecting existing urban ngahere is crucial to safeguarding the added values and benefits larger mature trees provide. Caring for saplings is critical for ensuring older trees are replenished before the end of their life, ensures our urban ngahere grows over time and publicly-funded planting is successful.

Mechanisms

Manage the city's urban ngahere on public land through coordinated planning, strategic planting and smart, innovative urban design while facilitating best practice standards for work on and around trees through vegetation maintenance contracts.

The Whats, The Whys & The Whens

What is an urban ngahere action plan?

get implemented?

This section provides details and answers to the 'whats', the 'whys' and the 'whens' of an effective urban ngahere action plan.

The What

This urban ngahere action plan:

- Is a road map that spells out what steps are required in order to achieve the stated goals of the Albert-Eden Local Board as they relate to the urban ngahere within the local board area boundaries.
- Details objectives and actions that support the local board's urban ngahere protection, development and maintenance goals.

The Why

This urban ngahere action plan:

- Is needed as currently there is no coherent tree planting protection and enhancement of the urban ngahere within the boundaries of the local board area.
- Is required as a recent high level assessment has identified tree canopy cover loss throughout the local board area.
- Is necessary as a high level assessment of the current tree stock within the local board boundaries revealed vulnerabilities in the age spread, condition, species range and longevity of the existing tree canopy cover.

Why is an urban ngahere action plan needed?

When does an urban ngahere action plan

The When

plan to support the promotion,

This urban ngahere action plan:

- Outlines the requirements necessary to undertake to develop a ten year tree planting plan.
- Provides timeframes per key actions that support the goals and objectives of the Albert-Eden Urban Ngahere Action Plan.

Tree Planting Principles



With the western aspect of the Albert-Eden Local Board area being constrained by coastline, the presence of the motorway, the presence of the train line running through the local board area and along the eastern boundary and the suburbs containing intensive residential lots; a range of planting principles are required in order to establish new plantings that contribute long term to the board's overall urban ngahere canopy cover.

Examples of relevant tree planting principles are: planting the right tree in the right place; having a preference for native species; ensuring urban ngahere diversity; creating ecological corridors and connections; and seeking to manage the whole lifecycle of urban trees.

Tree planting principles a developed in a manner th a range of issues (some b specific to the Albert-Ed Board area) such as:

- Salt tolerance
- Soil type
- Structural form
- Plant large where we c
- Heritage context
- Climate change specie susceptibility/effects
- Availability of space all below ground
- Shading
- Leaf drop
- Future sight and view
- Visual amenity
- Infrastructure conflict
 - Private property planti
 opportunities/assistar
 - Pest and disease resis
 - Maintenance requirem
 - Increasing biodiversity
 - Bird and wildlife corrid enhancement/linkage
 - Have a well-proportion saplings, semi mature trees across the area
 - A species composition cent native species an cent exotic species. Th species breakdown is 2.5 per cent fruit-prod species, 2.5 per cent s with functional uses (i.

are to be	sequesters, ecosystem services)
nat address	and 10 per cent exotic species
peing	with cultural significance.
en Local	
	When selecting species of trees,
	the tree planting principles are to be
	supported by the Auckland Council
	Indigenous Terrestrial and Wetland
	Ecosystems of Auckland (published
can	2017) report ³ . This document identifies species that are part of
	the various terrestrial and wetland
es	ecosystems (and their variants)
resilience	that have been located through
	Tāmaki Makaurau boundaries.
bove and	
	It is important to consider the
	extension, and/or creation of pollinator
	paths to help create corridors for
lines	birds, and insects to move along.
	Selecting tree varieties that provide
	flower sources for birds and insects
	are important to help build pathways
ing	for movement and to build the extent
nce	of habitat to support increased
stance	biodiversity at a local street and park scale.
nents	part scale.
v	Consideration is to be given to large
lor creation/	trees that provide a diverse food
es	source and habitat for native birds,
ned mix of	as well as the maintenance of tall tree
and mature	stumps that could provide nesting
anumature	opportunities for birds.
n of 85 per	Where appropriate, adopting
nd 15 per	the strategic principle of 'native
he exotic	first' when seeking to plant with
as follows;	appropriate species in ecologically
lucing	relevant locations will assist in the
species	enhancement of biological diversity, as
e. carbon	well as aiding in ecological restoration.



Map 2: SEA and urban forest cover (based on 2013 LiDAR)



The effectiveness of individual species to remove carbon dioxide from the atmosphere and store it as carbon as part of their overall biomass over their lifetime is considered to be an important tree planting principle.

Planting platforms and opportunities can be found in the body of this report, for example:

- High level 'Suburb By Suburb Planting Opportunities'
- Survey Map; SEA and urban ngahere cover (based on the 2013 LiDAR)

When it comes to identifying planting locations and options, there are a wide range of opportunities to consider:

- Auckland Council sports fields, parks and reserves (i.e. Waterview Reserve; a large area that is sparse of trees)
- Auckland Transport land (i.e. grass berms, footpath tree pits, kerb build-outs, car parking spaces, new street gardens)
- Public cemeteries (note that some countries are now using trees as 'headstones')
- · Government land (i.e. schools, hospitals, fallow sites)
- NZTA land
- Large planters along cycle lanes
- Future open space programmes and projects

- Community Facilities renewal program (during assessment of seating areas, playgrounds and rest areas) annually records the opportunity to plant new trees as part of the renewal upgrade to existing assets
- Green walls (i.e. amenity plantings that can be installed in planters/on fencing/on wires attached to sides of public/ commercial buildings)
- Privately owned land (as planting in public spaces alone will not be able to achieve the desired canopy cover change

Where possible, consideration of planting large grade specimens helps ensure we get 'larger trees faster' so as to give rise to the urban ngahere benefits sooner.

Planting with a variety of species is particularly important when addressing resilience issues such as pest and disease, and climate change species vulnerabilities. A small species range could get decimated by a pest and/or disease infestation (i.e. Dutch Elm Disease and Kauri Dieback), just as a cooler, dryer climate-loving species may suffer in the predicted warmer and more moist seasons that Tāmaki Makaurau is likely to face in the future.

We will work with the community, Auckland Council, Ministry for Primary Industries and iwi to isolate incidents, prevent further spread

of pest trees, educate and plant a diversity of tree species that are resilient to current disease to ensure the survival of our urban ngahere.

We will work with Auckland Council to petition central Government to implement changes to the current legislation. The board supports the reinstatement of some form of general tree protection across its local area to preserve and protect larger and more mature trees.

Of equal importance is ensuring that we address 'Seed to Succession' issues, with a focus on 'end of useful life' timing (as Kew Gardens in the UK found out in the 1987 storm, when they lost a large number of over-mature specimens and did not have sufficient middle age trees to carry them through), as well as providing bird and wildlife corridor creation and enhancement, along with linking Significant Ecological Areas (SEAs).

A combination of the above will ensure that, by introducing and maintaining a wide range of tree species, sizes and ages, a future healthy, vibrant and benefit-producing urban ngahere will be present for many years to come.

As stated in Auckland's Urban Ngahere (Forest) Strategy¹ - 'Together, growing Tāmaki Makaurau's urban ngahere for a flourishing future.'

Partners



The results of this urban ngahere action plan will benefit not only the residents of the Albert-Eden Local Board area but also Tāmaki Makaurau's community as a whole. Given this fact and the very relatable nature of planting a tree, creation of a viable and sustainable network of partners who can provide support in a myriad of ways is important; so much so that it is listed as one of the goals of this plan.

Examples of those entities who could partner in the deliverable this plan are:

- Department of Conservation
- Tūpuna Maunga Authority (TM
- EnviroSchools
- Cornwall Park Trust
- Friend of Maungawhau
- Mt Eden Village Centre
- Raise Up

•

- Epsom Community Centre
- Friends of Oakley Creek
- St Lukes Environmental Protection Society
- Other community volunteer g
- Local school/community grou operate eco-sourced nurserie
- Local churches
- Private land owners (possible Auckland Council to fund the p trees on private properties)
- Commercial land owners (pos to install climbing green walls sides of privately-owned build where trees can't be establish
- Auckland Council's Communi Facilities department (by engr with and supporting the renew programme, create new plant locations by undertaking the of noxious trees/plants)
- Auckland Transport (engage with the maintenance programme i.e. retire hard stands to create new planting spaces)

es of	 Healthy Waters (engage with the revegetation program, assist in the creation of educational rain gardens)
MA)	 Network Utility Operators (engage regarding planting location restrictions around network assets, support Vector's Overhead Improvement Program)
	• Work with Panuku and Auckland Unlimited to develop and incorporate new planting opportunities within their new development and facility maintenance projects
	 National environmental entities (Forest and Bird, Project Crimson, Trees That Count)
groups ups to	 Nursery Association (gain support by way of quality production donation/ price reduction)
es for planting of	 Government departments (opportunity to plant large trees for shading benefits in schools and hospitals, support from Department of Corrections to grow seedlings)
ssible on/up dings	 Kainga Ora (engage with a focus to mitigate the effects of vegetation losses as a results of their developments, etc.)
hed) aging wals ting removal	• NZTA (discuss species used in motorway plantings and their future long term protection and explore planting opportunities on surplus land)
with the	

Goals

Albert-Eden



Knowing, Growing, Protecting.

The goals of the Albert-Eden Local Board in relation to the assessment, protection, management and development of the urban ngahere within the local board area are as follows:

- To create sustainable urban ngahere within the local board area that meets the needs of our community and surroundings
- To achieve 5 per cent increase of tree canopy cover within the local board area boundaries by 2030
- To achieve 30 per cent tree canopy cover within the local board area boundaries by 2050
- To further enhance and amplify efforts to establish corridors of vegetation to link small and large open space areas

- To increase public awareness around the need to promote, protect and enhance the urban ngahere, including mangroves along the coastal fringes, within the local board area
- To create a network of partners to support the development and maintenance of the urban ngahere within the local board area

Objectives



Knowing, Growing, Protecting.

In order to achieve the Albert-Eden Local Board's goals in relation to the assessment, protection, management and development of the urban ngahere within the local board area, the following objectives are required to be undertaken:

- Research and compile a list of planting opportunities within the road reserve, parks and reserves, and commercial environments within the Albert-Eden Local Board area
- · Develop a suitable species list of small, medium and large trees to be used in the identified list of planting opportunities
- Develop an urban ngahere tree planting promotional program that engages stakeholders and partners
- Review and set up an accurate • tracking system of Auckland Council's tree planting and maintenance practices
- Auckland Council Call Centre can be contacted on 09 301 0101 or via the council website www.aucklandcouncil.govt.nz. They can log maintenance requests to attend to newly planted trees, to review a site for a replacement tree planting, and to request that a new tree is planted
- Develop a 10 Year Tree Planting Plan (supported by a suitable funding framework)
- Engage with tree nursery suppliers • and develop a nursery 'Growing Plan' that will service the 10 Year **Tree Planting Plan**

- Provide a report to the local board that outlines the financial requirements to support the funding commitments of the 10 Year Tree Planting Plan
- Continue discussions with Auckland Council regarding current levels of tree protection rules and their effectiveness as they relate to the protection and enhancement of the urban ngahere
- Council's Governing Body has commenced discussions with Central Government to highlight the need for change to the Resource Management Act to enable new or better rules to protect large trees of importance in Tāmaki Makaurau
- Work with Auckland Council and the Albert-Eden Local Board to collaboratively explore the development of an advisory service for tree care to help provide advice to customers on tree care and maintenance. Promote the value of professional tree care and work with national organisation to develop advisory service

By implementing these objectives, and in line with the stated goals, this urban ngahere action plan intends to ensure that:

- We engage with all stakeholders, partners, schools & local community groups so as to seek support regarding the planting & maintenance of future urban forest plantings
- The right trees will be planted in the right places
- The tree supply and planting works will be cost effective
- We arrange annual tree planting events
- We explore the options for setting up a tree fund to help with maintenance of large notable trees in the local board area





Action Plans



Introduction

Tree planting 'Action Plans' will be developed to deliver on the planting aspirations of the Albert-Eden Local Board. This will involve site-specific assessments and consultation about planting opportunities that exist within the board's boundaries. New tree planting will assist with the local board's efforts on adaptation and mitigation measures to help respond to climate change by positively leveraging efforts to "become a low carbon community" and implement the Action Plan.

To undertake the required activities that support the delivery of the Action Plans, the following matters will be considered and implemented:

Action

 Undertake a detailed assessment of planting opportunities within the road reserves, parks and reserves, and commercial environments to continue the greening of the Albert-Eden Local Board area

• In accordance with the principles outlined in Auckland's Urban *Ngahere (Forest) Strategy*¹, research and compile a 'suitable species list' and 'tree planting principles' that will apply to all identified planting opportunities

• Develop a detailed 'Planting Opportunities List' that will help to deliver the goal of providing 30 per cent of tree canopy cover within the Albert-Eden Local Board area by 2050

• Develop a 1 - 3, a 4 - 6 and a 7 - 10 Year Funding Framework to deliver on the 'Planting Opportunities List'

· Record metrics that reflect estimated tree canopy cover percentage increase across the local board area post completion of all identified planting opportunities, as well as the estimated growth of existing trees up to 2050

Education

- Research, engage and enrol tree nursery suppliers regarding tree stock production standards, current stock availability and species selection for future plantings
- Undertake an assessment regarding the necessity for effective tree protection to support the long term protection, management and development of the urban ngahere
- Develop a promotional program that engages with identified stakeholders, partners and the wider public

Planting

- Compile indicative tree supply and planting pricing (that includes 3 years post-planting maintenance, metrics assessments and reporting) to deliver on the 'Planting Opportunities List'
- Investigate the opportunity to establish an annual resident programme to enable new trees to be planted and maintained by residents in a 'Nominate a Tree' scheme
- Consider planting opportunities that include tree species that provide flowers, nectar and fruit to help support biodiversity
- Discuss and confirm best practice tree planting and ongoing maintenance methods with Auckland Council's Community Facilities department

Community Support

- Confirm with the Albert-Eden Local Board a funding commitment for the 10 Year Tree Planting Plan and the 10 Year Funding Framework
- Immediately post adoption of the Action Plan, implement Year 1 of the 10 Year Tree Planting Plan
- Encourage and support volunteers in the community to be enabled to support the growth of the urban ngahere, working with contractors and local volunteer groups to deliver outcomes, e.g. through community grants
- Investigate opportunity to establish an annual resident scheme which would allow residents to nominate heritage and notable trees in the local board area
- Investigate opportunity to establish a contestable fund that would support private property owners to maintain large heritage and notable trees in their private property, enhancing bio- diversity in the local board area
- Investigate opportunities to establish an initiative that would provide the local board with a platform to acknowledge individuals for their contributions to making reserves and private properties pest plant free



Action Plan Tree **Planting Flowchart**

Parks

Consult with stakeholders to establish an annual process to determine priority areas to investigate

Review tree canopy coverage to identify the areas to be tree planting

In spring, undertake field investigations to confirm where new tree planting feasible and responds to local needs

Consult with park users, community groups determine the types of trees they would like to

see planted

Develop planting plan, consult species for planting in winter program

Local board agrees to fund Growing Programme

Annual Growing Implementation & Assessment Programme

Road Reserve



Review tree canopy coverage to identify the areas to be field investigated for new tree planting

In spring, undertake field investigations to determine where new tree planting is feasible and responds to local needs

Establish possible street tree planting numbers. **Review utility locations** to confirm plantings are possible. Letter drop residents to gauge support, meet residents to discuss options and species

Develop planting plan, consult with local board members and then consult internal Council stakeholders species for planting in winter

Enrichment Planting

Consult with stakeholders to establish an annual process to determine priority areas to investigate

In spring, undertake field investigations to determine where enrichment planting species diversity

In spring, undertake field investigations to determine where enrichment planting can be undertaken within the so as to increase species diversity

Review parks management plans, Greenways plans and ecological assessments. Review maps to create ecological corridor connections and biodiversity focus areas. Identify ecological districts and develop planting plans with details on tree types and sizes to be planted

Develop planting plan, consult with local board members and internal Council stakeholders. Ref

Complete ongoing annual reviews of the Growing Program to establish total species/numbers planted and determine success rate percentages. Provide progress reporting to local board on total plantings. Collate data to provide cumulative numerical/species type success rates

In mid summer, place order for specimen trees for winter planting program based on results from survey work and consultation process

In mid summer, place order for 35 ade specimen trees program based on results from stree survey work and consultation process

> Work with coordinators to arrange for planting days

Undertake late size and quality.

Audit work quality and confirm planting has taken place in the correct locations in accordance with

Undertake review of winter planting program and develop annual report to update local board on areas planted, tree numbers and species established

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References



Image 2: A children's swing on a tree

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Potential Tree Planting Opportunities



Map 3: Albert-Eden Local Board area

Surveying and Data Collection

As outlined in the Action Plan Tree Planting Flowchart, further detailed site investigations are required to be undertaken so as to confirm suitability of potential planting locations. These site investigations involve a variety of issues i.e. consultation with all relevant stakeholders, presence of underground services, visual amenity issues, plant species selection, future growth, form and site suitability.

As part of the development of the Action Plan's structure of how to investigate potential tree planting opportunities, in the initial trial phase relating to site investigations, it was decided to prioritise ground-truthing surveys (information provided by direct observation) via a clear purpose to better utilise the available time and resources. A spreadsheet of Council parks and reserves which contained variable site characteristics (including land use and tree cover) was provided to assist in developing a list of sites in which to undertake the initial investigations. As specified in the Local Board Plan, parks and reserves were prioritised for potential tree planting investigations and were selected using the following criteria;

- 1. Is there a playground within the park or reserve?
- 2. Is the park or reserve's overall tree cover less than 10 per cent?
- 3. Is there shade from existing trees casting over the playground?

selected as the main priority target in the initial survey, as increased planting and tree cover in these areas would likely provide measurable social and environmental benefits to local communities enabling connections to nature. As the first priority, parks and reserves were assessed on the basis of the presence of a playground; these locations were then filtered further by percentage of tree cover, with parks and reserves containing 0-15 per cent canopy cover selected next. A desktop review using aerial imagery, site observations and comments detailed in current, relevant Council data was further assessed to determine whether trees within the selected parks and reserves shaded playgrounds, with a corresponding list of these sites then compiled for each local board.

Presence of playgrounds was

Ground-truthing was used to determine the extent of tree cover and whether new plantings had been provided that were not visible on aerial imagery. Surveys were expanded once on site to determine if more trees could be planted within the parks and reserves outside of the immediate vicinity of the playground footprint to include open areas, park edges, etc. Site observations during ground-truthing identified the need for more trees, especially on hot sunny days when park users' crowded within the shaded areas provided by tree canopy cover. Further reviews, investigations and ground-truthing would be required

to identify additional parks and reserves that have no playgrounds and low canopy cover.

Road reserve selection and street tree planting followed a separate assessment. The street tree ground-truthing followed the parks and reserves site surveys; streets were selected based on connectivity to parks and reserves previously identified, as well as connectivity to ecological areas such as coastal environments and stands of native vegetation or SEAs. A further desktop assessment based on 2013 LiDAR data for canopy cover identified streets where canopy cover was low and streets where berm planting was feasible from an aerial imagery perspective. Connectivity was the priority for streets; groundtruthing was used to identify streets where canopy cover was low to non-existent and therefore required berm planting, and, when canopy cover was present, whether infill planting was possible.

Canopy Cover of all Darks with Playgrounds Graph 1: Percentage canopy cover of Albert-Eden playgrounds 43% 43% Stabert-Eden playgrounds Albert-Eden playgrounds

Graph 2: Albert-Eden planting opportunities for playgrounds, parks and road reserves 110 Playgrounds



a) On-Site Data Capture Survey Form

	My Survey	=	<u> </u>	My	Survey	
Survey Staff			-			
			* Site			
Date			Planting Local Street Tree	tion	OPark Tree	
Wednesday, 19 Au	gust 2020 🗸 11:30	AM V 🛛	and the second s		Containe tree	
10.1			Street Name			
ocal Board Henderson	fibiscus &	Upper	0			
Massey B	lays OKaipatiki	Harbour	Street Numbe	v		
Mangere- Otahuhu 07	Aaungakeikei- ⊖Howick	Otara- Papatoetoe				
Albert-Eden OC	Drakei Puketepapa		Planting Priori	itu		
ocation *			1 = High priority (no trees), 2 = Mediu	n priority (addition	al plantings), 3 = Low
Location		priority (infil) plan	tings) 2	0	3	
14-12-17-17-17-1 × 110-		ANS ISTS VI	Street Charac	teristics		
	• • M		Street Charac		Planter	Traffic Island
	· · ·		Berm	Footpath Near	Planter	Traffic Island
				Footpath	Planter	Traffic Island
Site			Berm	Footpath Near	Planter	Traffic Island
			Berm Bus Stop	Footpath Near	Planter	Traffic Island
Site			Berm Bus Stop Infrastructure Overhead Lines Valve	Footpath Near Intersection	□Hydrant □Plinth	⊂ Water Meter ⊂ Gas
Site			Berm Bus Stop Infrastructure Overhead Lines Valve Catch Pit	Footpath Near Intersection	Hydrant	Water Meter
Site			Berm Bus Stop Infrastructure Overhead Lines Valve	Footpath Near Intersection	□Hydrant □Plinth	⊂ Water Meter ⊂ Gas
Site			Berm Bus Stop Infrastructure Overhead Lines Valve Catch Pit Vehicle	Footpath Near Intersection Power Pole Telecom Manhole	□Hydrant □Plinth	⊂ Water Meter ⊂ Gas
Site			Berm Bus Stop Infrastructure Overhead Lines Valve Catch Pit Vehicle Crossing	Footpath Near Intersection Power Pole Telecom Manhole	□Hydrant □Plinth	⊂ Water Meter ⊂ Gas

	My	Survey	=	≣⊗	My S	Survey	
Site				* Comments			
Planting Locatio	n	■ Park Tree		Commenta			
Park Name				Site Characteris	tics		
Park Name					Bank	Slope	Ridge
Planting Priority	is.			Insufficient	□Swale _Grade	□ Stream Grade	Wetland Moisture
a house of the second second second	trees/playground	. no trees), 2 = Media ings)	um priority (additional	Root Volume Moisture Deficit	Change (+) Permeable	Change (-)	Retentive
01	02	ុ3		Compacted	Clay		
Park Characteri	stics			Comments			
SEA	Native Plantings	Specimen Trees	Gardens	Comments			
Comments				Possible Specie	s (Botanical na	me)	10
Infrastructure				Number of Tree	a*)		
Manhole Playground	Lighting	Signage	Seating				1
				Comments			
Comments							
Site Characteris	tice			Site Photo			
Flat	Bank	Slope	Ridge		3		
Gully	Swale	Stream	Wetland				
Insufficient Root Volume	Grade Change(+)	Grade Change (-)	Retentive				
Moisture				2			



b) Albert-Eden Tree Planting Opportunities Map



Map 4: Planting opportunity locations for the Albert-Eden Local Boarc

c) Suburb by Suburb Tree Planting Opportunities



c) Suburb by Suburb Tree Planting Opportunities (continued)





c) Suburb by Suburb Tree Planting Opportunities (continued)





c) Suburb by Suburb Tree Planting Opportunities (continued)







c) Suburb by Suburb Tree Planting Opportunities (continued)







d) Albert-Eden Park and Street Tree Planting Opportunities

The following tables detail the total number of planting opportunities within parks with playgrounds, along with possible planting sites within the road reserve.

In respect to recommended species to be planted within parks with playgrounds, this determination will occur when site-specific assessments are being undertaken. The tree species detailed in the 'Streets' table are a recommendation based on surrounding existing plantings.

Parks/Playgrounds Planting Opportunities

Name	Plantings Around Playgrounds	Plantings Throughout Park
Aitken Reserve	0	0
Anderson Park	4	10
Bellevue Reserve	0	6
Braemar Reserve	0	0
Centennial Park	8	0
Coyle Park	0	62
Delphine Park	6	0
Eric Armshaw Park	14	10
Essex Reserve	0	3
Griffin Reserve	2	4
Harbutt Reserve	0	40
Harwood Reserve	3	0
Heron Park	4	100
Kuaka Reserve	4	10
Moa Reserve	3	25
Monkey Hill	3	0
Mt Albert War Memorial Reserve	3	7
Nixon Park	8	6
Owairaka Park	0	55
Pollard Park	2	8
Potters Park	10	40
Premier Reserve	0	19
Rawaplindi Reserve	7	16
Sainsbury Reserve North & South	0	7
Sandringham Reserve	1	2
Taumata Reserve	0	20
Taylors Park	6	14
Virginia Reserve	0	12
Waterview Reserve	18	54

d) Albert-Eden Park and Street Tree Planting Opportunities (continued)

Streets/Road Reserve Planting Opportunities

Name	Tree Species	Potential Planting Opportunities
Aitken Terrace	Hymenosporum flavum	7
Alberton Avenue	Pittosporum eugenioides	24
Alford Street	Alectryon excelsus	7
Aroha Avenue	Griselinia littoralis	11
Bangor Street	Sophora chathamica	6
Bannerman Road	Sophora chathamica	24
Begbie Place	Melia azedarach	6
Berridge Avenue	Pittosporum crassifolium	6
Brixton Road	Prunus sp.	9
Bungalow Avenue	Michelia doltsopa	1
Cambourne Road	Metrosideros excelsa "Mistral"	7
Cardigan Street	Alectryon excelsus	6
Daventry Street	Hymenosporum flavum	5
Derwent Street	Meryta sinclairii	7
Dexter Avenue	Prunus sp.	4
Ennismore Road	Alectryon excelsus	7
Ethel Street	Prunus sp.	10
Euston Road	Pittosporum eugenioides	12
Fourth Avenue	Sophora microphylla	31
Fowlds Avenue	Alectryon excelsus	11
Harbutt Avenue	Metrosideros excelsa "Mistral"	4
Haverstock Road	Melia azedarach	12
Hazelmere Road	Metrosideros excelsa "Mistral"	2
Huntingtree Avenue	Podocarpus totara	6
Johnstone Street	Dodonea viscosa	7
Kingsview Road	Prunus sp.	4
Lambeth Road	Alectryon excelsus	16
Lloyd Avenue	Prunus sp.	5
Lorraine Avenue	Magnolia sp.	7
Marne Road	Sophora chathamica	4
Maryland Street	Pittosporum crassifolium	7
McDonald Street	Sophora chathamica	6
Moa Road	Griselinia lucida	23
Mountain View Road	Prunus sp.	17
Parkdale Road	Alectryon excelsus	7

d) Albert-Eden Park and Street Tree Planting Opportunities (continued)

Streets/Road Reserve Planting Opportunities continued

Name	Tree Species	Potential Planting Opportunities
Parry Street	Alectryon excelsus	5
Pencarrow Avenue	Sophora chathamica	10
Prospero Terrace	Prunus sp.	4
Rama Road	Alectryon excelsus	7
Rawalpindi Street	Melia azedarach	8
Riro Street	Melia azedarach	7
Saxon Street	Alectryon excelsus	6
Segar Avenue	Vitex lucens	12
Tasman Avenue	Vitex lucens	10
Taylors Road	Sophora chathamica	12
Vancouver Avenue	Prunus sp.	5
Vinter Terrace	Alectryon excelsus	2
Walker Road	Leptospermum 'Coppersheen'	7
Watea Road	Alectryon excelsus	10
Willcott Street	Michelia doltsopa	14



Image 3: Point Chevalier Beach



Tree Pit Planting



Berm Planting



Park Planting



f) Auckland Council Tree Planting **Request Process**



Council Arboricultural Contractor to contact customer to establish nature of request. Confirm location of new tree in park then check on site whether location is suitable for a new tree to be planted. Recommend species. Customer to be contacted and advised on planting time frame

New tree added to planting list. Customer advised of outcome and time frame when tree planting is likely to take place

New tree planted by Council Contractor and recorded in Council database (annual planting program between May and October). Tree(s) added to new tree aftercare program. If a tree die(s) or is/are vandalised, Council Call Centre to be contacted to log a request for tree maintenance

g) Local Board Overview Map



h) Suggestions For Public Planting Sites

Please detail planting opportunities within parks and on streets under the following maps. Refer to appendices C for larger maps of individual areas. Once completed, please forward your suggestions to www.aucklandcouncil.govt.nz/report-problem.







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h) Suggestions For Public Planting Sites









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Alcohol ban between 7pm and 7am daily For general park enquiries phone 09 301 0101



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