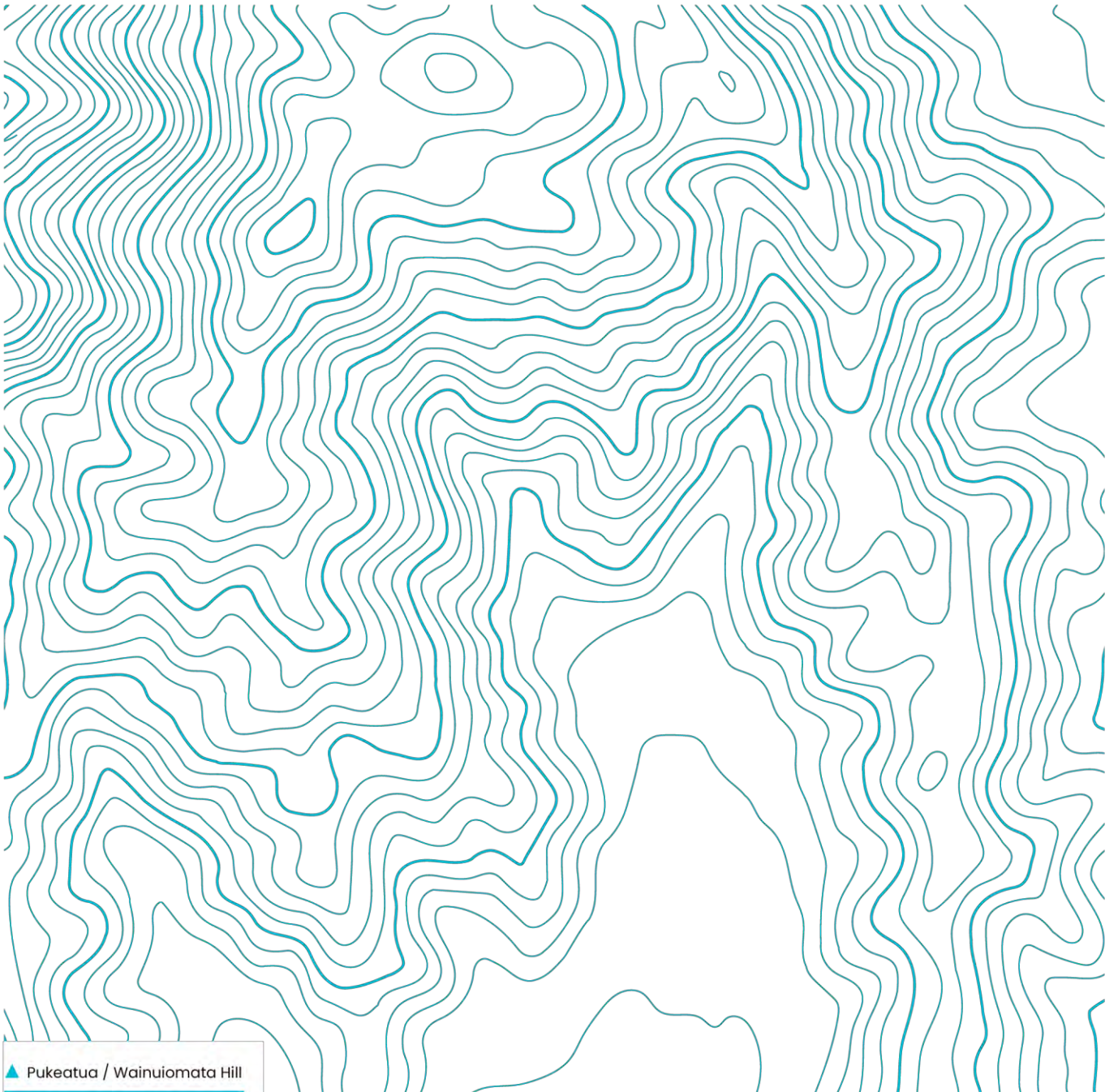


# Section 32 Evaluation

## NOTABLE TREES



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## 2 Overview and Purpose

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- (1) Hutt City Council is reviewing the City of Lower Hutt District Plan. This is a full review of the District Plan, including the approach to notable trees.
- (2) This report is a record of the review with regard to notable trees, and includes an evaluation of objectives and provisions for a proposed District Plan to address notable trees, in accordance with the requirements of s32 of the Resource Management Act 1991.
- (3) This report sits as one of a package of reports for the proposed Plan and should be read alongside the Plan Wide Report for matters common to all Plan topics.

### **Notable trees and the District Plan**

- (4) Notable trees are trees that have been identified for a range of reasons that cause them to be particularly valued by the Lower Hutt community. Identifying a tree as a notable tree in a district plan enables the plan to manage land use and development that may impact the notable values and health of the tree.
- (5) Reasons for identifying a notable tree include the tree's contribution to visual amenity, role as a local landmark, botanical significance (such as being a rare specimen) and heritage values.
- (6) Notable trees include indigenous and exotic trees. While they are typically individual trees, a group of trees can also be identified in a district plan as a notable group of trees.
- (7) While notable trees are typically in an urban setting, this is not always the case, with some notable trees being in rural and open space areas.



## **Note on indigenous biodiversity**

- (8) While notable trees, and groups of notable trees, can contribute to indigenous biodiversity values of an area, as they are typically small, discrete, and isolated from larger areas of vegetation, their indigenous biodiversity values are limited.
- (9) The approach of the proposed District Plan with regard to indigenous biodiversity and habitats of indigenous fauna is evaluated in the s32 report for the Indigenous Biodiversity chapter of the proposed District Plan.

# 3 Statutory and Policy Context

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- (10) The following sections discuss the national, regional and local policy framework that are particularly relevant to the statutory and policy context for notable trees for the District Plan Review.

## 3.1 Resource Management Act 1991

### 3.1.1 Section 5 – Purpose and Principles

- (11) The purpose of the RMA is set out in Section 5. The purpose is to promote the sustainable management of natural and physical resources.
- (12) Under s5(2) of the Act, sustainable management means:

*managing the use, development, and protection of natural and physical resources in a way, or at a rate, which enables people and communities to provide for their social, economic, and cultural well-being and for their health and safety while—*

- (a) *sustaining the potential of natural and physical resources (excluding minerals) to meet the reasonably foreseeable needs of future generations; and*
- (b) *safeguarding the life-supporting capacity of air, water, soil, and ecosystems; and*
- (c) *avoiding, remedying, or mitigating any adverse effects of activities on the environment.*

### 3.1.2 Section 6 – Matters of National Importance

- (13) Section 6 of the RMA sets out matters of national importance that all persons exercising functions and powers under the Act shall *recognise and provide for* in achieving the purpose of the RMA. The relevant s6 matters for notable trees are:

Section	Relevant Matter
6(a)	<p><i>The preservation of the natural character of the coastal environment (including the coastal marine area), wetlands, and lakes and rivers and their margins, and the protection of them from inappropriate subdivision, use, and development.</i></p> <p>The natural character of the coastal environment, wetlands, and the margins of lakes and rivers can be enhanced through the retention of notable trees.</p>
6(c)	<p><i>The protection of areas of significant indigenous vegetation and significant habitats of indigenous fauna.</i></p> <p>The ecological values of areas of indigenous vegetation and habitats of indigenous fauna can be enhanced through the retention of notable trees.</p>
6(e)	<p><i>The relationship of Māori and their culture and traditions with their ancestral lands, water, sites, waahi tapu, and other taonga.</i></p> <p>This relationship can be recognised through the retention of notable trees that reflect tangata whenua values</p>
6(f)	<p><i>The protection of historic heritage from inappropriate subdivision, use and development.</i></p> <p>A tree may be identified as notable due to its heritage values, including where the tree is a memorial to past events.</p>

### 3.1.3 Section 7 – Other Matters

- (14) Section 7 of the RMA sets out other matters that all persons exercising functions and powers under it shall *have particular regard to* in achieving the purpose of the RMA. The relevant s7 matters for notable trees are:

<b>Section</b>	<b>Relevant Matters</b>
7 (a) and (aa)	<i>(a) Kaitiakitanga; (aa) The ethic of stewardship.</i>  The principle of kaitiakitanga and the ethic of stewardship can be enabled through the retention of Notable Trees.
7 (c)	<i>The maintenance and enhancement of amenity values.</i>  The maintenance and enhancement of amenity values can be directly affected by destruction and poor management of Notable Trees.
7 (f)	<i>Maintenance and enhancement of the quality of the environment.</i>  The quality of the environment can be maintained and enhanced through the retention of Notable Trees.
7 (g)	<i>Any finite characteristics of natural and physical resources.</i>  There is a limited number of notable trees in Lower Hutt.

### 3.1.4 Section 8 – Treaty of Waitangi

- (15) Section 8 of the RMA requires Council to *take into account* the principles of the Treaty of Waitangi when exercising functions and powers under the Act. The relevant principles of the Treaty of Waitangi for notable trees are:

<b>Principle</b>	<b>Comment</b>
Principle of Active Protection	An example of active protection for Māori cultural interests stems from the view that trees are seen as an integral part of the natural ecosystem and are therefore connected as whakapapa. Trees do not need to be regarded as notable for any specific value. Trees come under the domain of the atua Tane.

Principle of Participation	Cultural participation is significant to understand mātauranga Māori. Engagement and exchange of Māori cultural values and views are vital to achieving the first principle in a culturally safe manner.
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### 3.1.5 Section 31 – Functions of territorial authorities under this Act

- (16) Section 31 of the RMA specifies functions for territorial authorities under the Act.
- (17) Of relevance for notable trees, this includes:
- **Section 31(1)(a):** *The establishment, implementation, and review of objectives, policies, and methods to achieve integrated management of the effects of the use, development, or protection of land and associated natural and physical resources of the district, and*
  - **Section 31(1)(b):** *The control of any actual or potential effects of the use, development, or protection of land.*

### 3.1.6 Section 76 – District rules

- (18) Section 76 of the RMA gives requirements for rules of district plans.
- (19) Sections 76(4A) and 76(4B) give specific direction on rules that protect trees:
- 76(4A) *A rule may prohibit or restrict the felling, trimming, damaging, or removal of a tree or trees on a single urban environment allotment only if, in a schedule to the plan,—*
- (a) *the tree or trees are described; and*
  - (b) *the allotment is specifically identified by street address or legal description of the land, or both.*

- 76(4B) *A rule may prohibit or restrict the felling, trimming, damaging, or removal of trees on 2 or more urban environment allotments only if—*
- (a) *the allotments are adjacent to each other; and*
  - (b) *the trees on the allotments together form a group of trees; and*
  - (c) *in a schedule to the plan,—*
    - (i) *the group of trees is described; and*
    - (ii) *the allotments are specifically identified by street address or legal description of the land, or both.*

- (20) Sections 76(4C) and 76(4D) assist with implementation by defining a *group of trees* and *urban environment allotment* and clarifying that sections 76(4A) and 76(4B) regardless of whether trees and allotments are identified on district plan maps and regardless of whether the relevant allotments are clad with vegetation.

## 3.2 National Policy Statements

- (21) Section 75(3)(a) of the RMA requires district plans to give effect to any national policy statement.
- (22) The **National Policy Statement on Urban Development** (NPS-UD) has some relevance for notable trees.
- (23) Objective 4 of the NPS-UD is *New Zealand’s urban environments, including their amenity values, develop and change over time in response to the diverse and changing needs of people, communities, and future generations*. Notable trees can contribute to the amenity values of an area, particularly visual amenity values.
- (24) Policy 6 of the NPS-UD gives the following direction on considering amenity values when making planning decisions:

*When making planning decisions that affect urban environments, decision-makers have particular regard to the following matters:*

- a) the planned urban built form anticipated by those RMA planning documents that have given effect to this National Policy Statement*
- b) that the planned urban built form in those RMA planning documents may involve significant changes to an area, and those changes:
  - i. may detract from amenity values appreciated by some people but improve amenity values appreciated by other people, communities, and future generations, including by providing increased and varied housing densities and types; and*
  - ii. are not, of themselves, an adverse effect.**

### **3.3 New Zealand Coastal Policy Statement**

- (25) Section 75(3)(b) of the RMA requires district plans to give effect to the New Zealand Coastal Policy Statement (the NZCPS).
- (26) While the New Zealand Coastal Policy Statement (NZCPS) does not directly address notable trees, the NZCPS gives general direction on preservation and restoration of natural character (Policy 13 and 14) and protection of historic heritage (Policy 17) within the coastal environment. While these policies do not directly address notable trees, notable trees could contribute to natural character and historic heritage.

### **3.4 National environmental standards**

- (27) National environmental standards are regulations made under s43 of the RMA, and effectively function like rules in a district or regional plan.
- (28) The following national environmental standards are particularly relevant for notable trees:

Reference	Comment
<b>National Environmental Standard for Electricity Transmission Activities 2009</b>	Clauses 30 to 32 of the NES-ETA sets out instances when trimming, felling or removing any tree in relation to an existing transmission line is a permitted activity, or when resource consent is required as a controlled or restricted discretionary activity.
<b>National Environmental Standards for Telecommunication Facilities 2016</b>	<p>Clauses 44 and 45 of the NES-TF relate to management of trees and vegetation. The NES-TF contains clauses which ensure that district rules are complied with in terms of works within the drip line of a tree or in a road reserve or any tree identified as significant in a district plan.</p> <p>Clause 45 of the NES outlines that where significant trees that are not in the road reserve are specifically identified in the relevant District Plan, the Plan can have stricter regulations than the NES-TF.</p>

### 3.5 National Planning Standards

- (29) Section 75(3)(ba) requires district plans to give effect to national planning standards.
- (30) Standard 4 of the National Planning Standards sets the overall structure for district plans. For notable trees, Standard 4 requires a notable trees chapter to be included in the *Historical and Cultural Values* section of *Part 2 – District-Wide Matters*.
- (31) Standard 7 of the National Planning Standards sets standards for the structure and content of Part 2 of a district plan (District-Wide Matters). Under Standard 7, if any of the following matters are addressed in a district plan, they must be located in the Notable trees chapter:
- Identification of individual trees or groups of trees,
  - Provisions to manage trees or groups of trees, and
  - A schedule(s) of individual trees and groups of trees, that must include a description of the tree(s) including the species (this may cross-reference an appendix).
- (32) The National Planning Standards also set the unique identifier to be used in chapters and sections on notable trees (*TREE*) and the symbology to be



used for notable trees on district plan maps (a green triangle for notable trees and a green polygon for notable tree groups).

### 3.6 Regional Policy Statement for the Wellington Region

- (33) Section 75(3)(c) requires district plans to give effect to the Regional Policy Statement for the Wellington Region (the RPS).
- (34) The RPS identifies the significant resource management issues for the region and outlines the policies and methods required to achieve the integrated sustainable management of the region’s natural and physical resources.
- (35) While the RPS does not directly address notable trees, the following objectives and policies have some relevance:

Reference	Comment
<p><b>Historic heritage</b></p> <p>Objective 15 and Policies 21, 22 and 46</p>	<p><b>Objective 15:</b> <i>Historic heritage is identified and protected from inappropriate modification, use and development.</i></p> <p><b>Policy 21:</b> <i>Identifying places, sites and areas with significant historic heritage values – district and regional plans.</i></p> <p><b>Policy 22:</b> <i>Protecting historic heritage values – district and regional plans.</i></p> <p><b>Policy 46:</b> <i>Managing effects on historic heritage values – consideration.</i></p> <p>These provisions give direction on identification and protection of historic heritage from inappropriate modification, use and development. Notable trees can contribute to historic heritage values.</p>

<p><b>Tangata Whenua</b></p> <p>Objective 28 and Policy 49</p>	<p><b>Objective 28:</b> The cultural relationship of Māori with their ancestral lands, water, sites, wāhi tapu and other taonga is maintained.</p> <p><b>Policy 49:</b> Recognising and providing for matters of significance to tangata whenua – consideration.</p> <p>These provisions require that the cultural relationship of Māori with their ancestral lands, water, sites, wāhi tapu and other taonga is maintained and that matters of significance to tangata whenua are recognised and provided for. Notable trees have cultural importance for tangata whenua.</p>
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### 3.6.1 Proposed RPS Change 1

- (36) Section 74(2)(a) of the RMA requires Council to have regard to proposed regional policy statements when preparing a proposed District Plan.
- (37) On 19 August 2022, the Greater Wellington Regional Council notified Proposed Change 1 of the Regional Policy Statement for the Wellington Region. However, no provisions in the proposed change are relevant for notable trees.

## 3.7 Natural Resources Plan for the Wellington Region

- (38) Under Section 75(4)(b), the District Plan must not be inconsistent with a regional plan for any matter specified in section 30(1) of the RMA (which relates to functions of regional councils. The Natural Resources Plan for the Wellington Region (the NRP) is the regional plan for the Wellington region.
- (39) However, the NRP does not specifically address notable trees.

### 3.7.1 Proposed NRP Change 1

- (40) Section 74(2)(a) of the RMA requires Council to have regard to proposed regional plans in regard to any matter of regional significance or for which

the regional council has primary responsibility under Part 4 of the Act (which relates to functions, powers, and duties of central and local government) when preparing the proposed District Plan.

- (41) However, no provisions in the Proposed NRP Change 1 are directly relevant for notable trees.

### 3.8 Iwi management plans

- (42) Section 74(2A) requires territorial authorities, when preparing or changing a district plan, to take into account any relevant planning document recognised by an iwi authority and lodged with the territorial authority, to the extent that its content has a bearing on the resource management issues of the district.

- (43) No iwi management plans have been lodged with Council.

### 3.9 Hutt City Council plans, policies, and strategies

- (44) In addition to the statutory documents outlined above, there are other plans, policies and strategies of Council that, while not directly prepared under a specific Act, should be considered as part of the District Plan Review as they set Council’s intentions on some matters that need to be addressed through the District Plan Review.

- (45) The following plans, policies and strategies are relevant considerations for notable trees.

Plan/Policy/Strategy	Comment
Neighbourhood Reserves Management Plan	The objectives and policies of the Neighbourhood Reserves Management Plan focus on the development carried out on neighbourhood reserves, the use of neighbourhood reserves and the management and administration of these reserves.

	Objective 7.3.1 (v) recognises that neighbourhood reserves may be home to large specimen trees.
Urban Forest Plan	<p>The Urban Forest Plan describes green assets in the city and explains their significance and purpose from an asset management point of view. The Urban Forest Plan manages the vegetation Council is responsible for and includes trees in streets, urban parks, reserves, cemeteries and sports grounds as well as natural areas.</p> <p>The Urban Forest Plan includes the following relevant objectives:</p> <ul style="list-style-type: none"> <li>• Objective 1.7: to have large, magnificent, outstanding trees</li> <li>• Objective 1.10: to use recognised arboricultural methods and industry best practice to manage trees in Hutt City’s urban parks.</li> <li>• Objective 1.12: Council values the contribution made by quality street trees and will encourage and enable others to do the same.</li> </ul> <p>Council policy in the Urban Forest Plan includes to “consider protecting outstanding individual specimen trees in urban parks as part of any plan change” and, in the context of street trees, to “look at opportunities to include additional Notable Trees in the District Plan”.</p>
Hutt City Council Parks and Reserves Bylaw 2007	The Parks and Reserves Bylaw addresses a range of activities for Council reserves.

	The bylaw prohibits unauthorised removal or damage of trees or plants on HCC reserves (Section 6.1a).
Hutt City Council Public Places Bylaw 2006	The Public Places Bylaw addresses a range of activities in relation to public places and Council property.  The bylaw prohibits damage to, destruction of, and interference with trees and plants belonging to Council (Section 3.1a).

### **3.10 District plans of adjacent territorial authorities**

- (46) Section 74(2)(c) of the RMA requires territorial authorities, when preparing or changing a district plan, to have regard to the extent to which the district plan needs to be consistent with the plans or proposed plans of adjacent territorial authorities.
- (47) As notable trees are located in very specific locations, and no potential notable trees have been identified near the boundaries between Lower Hutt and adjacent territorial authorities, there is little value in seeking regional consistency. Part 4 of this report (Resource management issues) includes a discussion of the approaches of other district plans for the purpose of identifying issues for notable trees and current approaches for addressing these issues.

### **3.11 Other statutory and non-statutory plan, policies, and strategies**

- (48) In addition to Hutt City Council's plans, policies and strategies (discussed above), there can be regional and national plans, policies and strategies that, while not mandatory considerations for the District Plan Review, should still be considered as they form part of the management regime

for natural and physical resources in the district, and considering these documents can aid integrated management.

- (49) However, no regional or national plans, policies or strategies are relevant for notable trees.

### 3.12 Other legislation or regulations

- (50) In addition to the RMA, other legislation and regulations can be relevant considerations for a district plan, particularly where management of an issue is addressed through multiple pieces of legislation and regulatory bodies.

- (51) The following other legislation and regulations are relevant for notable trees:

Act or Regulation	Comments
Reserves Act 1977	<p>Provides for the acquisition, preservation and management of areas for their conservation values or public recreational and educational values.</p> <p>This includes in relation to and providing protection for Department of Conservation, Greater Wellington Regional Council and Hutt City Council reserves.</p> <p>All trees located on reserve land are protected under Section 42 of the Reserves Act. Any cutting or destroying of bush or trees requires a special permit or, on recreation, government purpose, or local purpose reserves, the approval of the administering body of the reserve (generally Council). Unauthorised removal or wilful damage of any tree, shrub, fern or plant on</p>

	any reserve is an offence under Section 94 of the Act.
Property Law Act 2007	Section 333 of the Property Law Act provides that the Court may order the removal or trimming of trees or removal or alteration of structures.

# 4 Resource management issues

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## 4.1 Introduction to resource management issues

- (52) Trees can be valued by communities for many reasons including visual amenity, shade, shelter, wildlife habitat, food, timber, carbon sequestration, pollutant absorption, runoff control and soil stabilisation.
- (53) Notable Trees may be valued for providing visual amenity, landmarks, connections to the past or to significant cultural sites. There are a number of valuable trees throughout the district that and are connected to the wider cultural, heritage and amenity values.
- (54) Inappropriate trimming or other modification, and development and use of land near the tree can adversely affect Notable Trees. In some cases, use and development, or trimming and modification, may have significant effects on trees and may result in or require removal of the Tree.
- (55) These pressures are expected to be amplified through the intensification of development within the district, especially in urban areas. Intensification will put pressure on Notable Trees and may mean loss of trees on private property, particularly those that are not identified.
- (56) At the same time, Notable Trees can also pose a danger or threaten property or lives. There may be cases where substantial trimming or the removal of a tree is necessary to ensure safety of people and property.



## 4.2 Evidence base

### 4.2.1 Existing approach of City of Lower Hutt District Plan

- (57) Notable Trees are addressed in Chapter 14G of the District Plan. Chapter 14G was amended and changed through Plan Change 36, and has been operative since June 2020.
- (58) The chapter includes a schedule of notable trees (*Appendix Notable Trees 1*). 145 notable trees are identified in this schedule.
- (59) The approach taken in developing this schedule was to only identify trees as notable trees where:
- The tree scores 120 or more under a STEM – Standard Tree Evaluation Method assessment, and;
  - The owner of the tree consents to listing the tree in the District Plan.
- (60) The Council has taken responsibility for the monitoring and maintenance of all trees listed in the schedule, as well as their removal where needed.
- (61) Chapter 14G states a single issue and objective:
- Issue 14G 2.1: The removal or modification of Notable Trees may reduce the City’s heritage, cultural or amenity values.*
- Objective 3.1: Trees with notable heritage, cultural or amenity values are retained for their natural life.*
- (62) The subsequent policies and rules set out how trees will be identified and protected under the plan. The general approach is as follows:
- Policy direction states that:
    - Trees which are assessed to achieve a score of 120 or above are identified as Notable Trees.
    - A Notable Tree should be protected for the term of its natural life unless it poses an immediate risk to the safety to people or property. If so, trees can be trimmed (preferable) or removed.

- Trimming or removal should be undertaken by Council or a qualified arboriculturalist working on behalf of Council.
- Activities should not damage or compromise a Notable Trees health, stability, life expectancy, visual appearance or amenity value.
- Activities which do not require resource consent are:
  - Trimming, undertaken by HCC, to protect the health of the tree or to safeguard property or life (including power or communication). Trimming must follow accepted arboriculture practice.
  - Removal is permitted if it's undertaken by HCC to safeguard life or property.
  - Activities, including construction or alteration of any building or structure, excavation, disposing soil, or the formation of new impermeable surfaces within the dripline (as defined in the plan) are permitted provided the activity won't damage the tree or endanger its health.
- Resource consent is required for:
  - Trimming or removal of trees that does not comply with the permitted activity conditions for trimming or removal, as outlined above (discretionary activity), and;
  - Activities, including construction or alteration of any building or structure, excavation, disposing soil, or the formation of new impermeable surfaces within the dripline (as defined in the plan) that damages the tree or endangers health or does not comply with a condition for another permitted activity (restricted discretionary activity).

(63) A review of resource consent data found that no resource consents have been applied for under this chapter.

## 4.2.2 Analysis of other District Plans

(64) The following other district plans have been analysed to outline a range of approaches to identifying and protecting Notable Trees:

- Porirua District Plan (*proposed 2020, decisions released 2023 – currently under appeal*)
- Whangarei District Plan 2020
- Dunedin District Council (*proposed 2015, decisions released 2018 – currently under appeal*)
- Hamilton City District Plan 2017
- Auckland Unitary Plan 2018
- New Plymouth District Plan (proposed 2019, decisions released 2023 – currently under appeal)

(65) These plans were selected because they represent a range of approaches that emerged prior to and during the development of Hutt City Council's proposed District Plan, most of which have also been formatted in line with the National Planning Standards.

(66) While most plans are generally consistent, there are a number of key differences.

(67) Most plans recognise the historic, cultural and amenity as Notable Tree values, but a number identify ecology as a value to be protected.

(68) The district plans of Porirua, Whangarei and Dunedin use the Standard Trees Evaluation Method to identify Notable Trees through District Plans. The Hamilton City Plan uses the Royal New Zealand Institute of Horticultural Method. The New Plymouth District Council uses the New Plymouth Tree Evaluation Method.

(69) The operative City of Lower Hutt District Plan requires Notable Trees to meet a STEM threshold of 120. Other district plans that use a STEM method use the following thresholds:

- Porirua City Council – 120 STEM.
- Whangarei District Council – 100 STEM score.
- Dunedin District Council – 145 STEM.

- (70) All district plans allow the trimming of Notable Trees, except the Dunedin District. Trimming generally has to meet arboricultural best practice or be undertaken by an arboriculturalist.
- (71) Most plans permit the removal of the tree provided the tree is dead or threatening life or property (except the Dunedin District Plan).
- (72) Most plans require resource consent for activities within the drip line or root zone of a Notable Tree, such as earthworks or structures. The New Plymouth District Plan allows gardening and soft landscaping within the dripline.
- (73) All plans require resource consent for the removal of a tree (where removal isn't for protecting life or property). The Dunedin District Plan requires public notification for the removal or modification of a tree that will result in death or terminal decline.

### **4.2.3 Advice from mana whenua**

- (74) Council has engaged with mana whenua as part of the District Plan Review, particularly through the Kāhui group.
- (75) However, there has been no specific engagement with mana whenua, and no advice has been received with regard to notable trees.

### **4.2.4 Stakeholder and community engagement**

- (76) Stakeholder and community engagement for the District Plan Review has involved:
- Engagement on Issues and Options for the Review (2021),
  - Engagement on a Draft District Plan (2023), and
  - Ongoing discussions with stakeholders and members of the community at their request (throughout the Review, 2019-2024).
- (77) During both the engagement on issues and options and the engagement on the Draft District Plan, Council called for nominations for new notable trees.
- (78) In addition, Council called for nominations for new notable trees in 2024.
- (79) Other feedback received during engagement included:

- General support for retaining notable trees, and concerns with the loss of trees from the urban environment,
- Opposition to only protecting trees with the owner’s approval,
- A request to identify and protect notable groups of trees in the District Plan,
- A request from infrastructure providers to remove the Draft District Plan’s permitted activity standard that would require trimming and removal of notable trees to be undertaken by Hutt City Council in order to be permitted,
- Concerns on the effects of trees on property, particularly from rata and pohutukawa,
- Concerns with a lack of maintenance of notable trees, and
- Concerns on the impacts of trees on access to sunlight.

#### **4.2.5 Technical information/advice commissioned**

(80) In the development of the Notable Trees chapter of the proposed District Plan, Council has commissioned assessments of the values of potential notable trees via the STEM Method. These assessments have been undertaken by a qualified and experienced arborist.

(81) The STEM evaluation method assesses a tree against evaluation criteria that cover:

- Condition,  
*Includes criteria for form, occurrence, vigour/vitality, function and age.*
- Amenity, and  
*Includes criteria for stature, visibility, proximity, role and climate.*
- Notability.  
*Includes criteria for feature and form, age, association, commemoration, remnant, source, rarity and endangered.*

(82) Appendix 1 of this report includes the STEM assessment sheets for all new notable trees under the proposed District Plan.

## **4.3 Summary of issues analysis**

### **4.3.1 Contribution of notable trees**

- (83) Notable trees can contribute to amenity, historic and cultural values of Lower Hutt.

### **4.3.2 Impacts of land use and development on notable trees**

- (84) Land use and development can impact on notable trees, which can have an adverse effect on the contribution of those trees on amenity, historic and cultural values of Lower Hutt. This includes the removal or substantial trimming of the tree to make way for new development or activities in the area above the roots of the tree (including the creation of new impermeable surface areas).

### **4.3.3 Impacts of trees on people and property**

- (85) Trees, particularly large trees, can present a risk to the health and safety of people and property, particularly through the risk of falling branches and roots that can interfere with foundations, underground infrastructure, and accessways.
- (86) Trimming and removal of trees can remove or reduce this risk.

### **4.3.4 Maintenance of notable trees for tree health**

Trees may need to be maintained from time to time (including through trimming and removal of branches) to maintain their own health and to extend the life of the tree.

# 5 Scale and significance assessment

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(87) In writing this evaluation report we must provide a level of detail that corresponds to the scale and significance of the environmental, economic, social, and cultural effects anticipated from the implementation of the proposal.

(88) In assessing that scale and significance we have had regard to:

<b>Matters of national importance</b>	Low. No matters of national importance specifically refer to notable trees (notable trees can be notable due to their historic heritage values, particularly for older trees or trees commemorating past events).
<b>Other matters</b>	Moderate. Trees can make a significant contribution to a wide range of amenity values of an area.
<b>Degree of change from the operative plan</b>	Low. The Notable Trees chapter of the proposed District Plan would effectively continue the approach of the operative District Plan, except with additional trees.
<b>Geographic scale of effects</b>	Moderate. The potential notable trees are spread throughout the city. However, any one notable tree impacts only that area where the tree can be viewed.
<b>Number of people affected</b>	Moderate. While relatively few properties contain a notable tree (when compared with other components of the proposed District Plan) the positive contribution of a

	notable tree are felt by more than just those property owners.
<b>Duration of effects</b>	High. The positive effects of notable trees are ongoing as long as the tree is retained, and the negative effects from removing a notable tree are permanent.
<b>Economic impacts</b>	Low, although trees can have an economic impact by contributing to the value of an area (through amenity values).
<b>Social and cultural impacts</b>	Moderate. Notable trees provide a highly valued form of contact with nature for many city dwellers, contributing to quality of life, social capital and mental and emotional well-being.
<b>Environmental impacts</b>	Low. While notable trees contribute to the natural environment, they make up a small proportion of the vegetation and habitat of indigenous species of Lower Hutt.
<b>Health and safety impacts</b>	Low. Notable trees can have an impact on safety if not monitored and maintained appropriately.
<b>Degree of interest from mana whenua</b>	Low. There is a general holistic perspective of trees as part of the natural ecosystem.
<b>Degree of interest from the public</b>	Moderate. While there has been some interest from the public when Council has sought nominations for new notable trees, there has been little interest in the provisions of the Notable Trees chapter.



<b>Degree of risk or uncertainty</b>	Low.
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- (89) Accordingly, the overall scale and significance of the effects of notable trees is **low to moderate**.

# 6 Proposed District Plan objectives and provisions

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(90) The following table gives the sole objective of the proposed Notable Trees chapter, and lists the policies and rules that implement the objective:

Objective	Text and associated provisions
TREE-O1	<p>“Trees with notable heritage, cultural or amenity values are protected and retained for their natural life.”</p> <p>Implemented through:</p> <ul style="list-style-type: none"> <li>• TREE-P1 (Identify Notable Trees)</li> <li>• TREE-P2 (Protecting Notable Trees)</li> <li>• TREE-P3 (Trimming and maintenance)</li> <li>• TREE-P4 (Activities in the Root Protection Area and Dripline)</li> <li>• TREE-P5 (Removal of Notable Trees)</li> <li>• TREE-R1 (Trimming of Notable Trees)</li> <li>• TREE-R2 (Removal of Notable Trees)</li> <li>• TREE-R3 (Activities within the root protection area or dripline of Notable Trees)</li> </ul>

(91) In summary, the policies:

- Set the approach for identifying notable trees, including the scores under the STEM assessment and approval of tree owner (TREE-P1),
- State that identified trees are to be protected for their natural life (TREE-P2),
- Provide for trimming and maintenance (TREE-P3),
- Set direction on when activities in the root protection area and dripline and removal of a notable tree are allowed (TREE-P4 and TREE-P5).

(92) The rules:

- **TREE-R1 – Trimming of notable trees:** Permit trimming where it is undertaken by Hutt City Council for the health of the tree or to safeguard life or property, including for the maintenance of existing network utilities. Otherwise, resource consent is required as a restricted discretionary activity.
- **TREE-R2 – Removal of notable trees:** Permit tree removal where it is undertaken by Hutt City Council to safeguard life or property. Otherwise, resource consent is required as a discretionary activity.
- **TREE-R3 – Activities within the root protection area or dripline of Notable Trees:** Permit specific activities in the root protection area or dripline of a tree. Otherwise, resource consent is required as a restricted discretionary activity.

# 7 Evaluation of objectives

- (93) This section is the evaluation of objectives, as required through s32(1)(a) of the RMA.
- (94) An objective is a statement of what is to be achieved through the resolution of a particular resource management issue. A district plan objective should set out a desired end state to be achieved through the implementation of policies and rules.
- (95) Under s75(1)(a) of the Resource Management Act, a district plan must state the objectives for the district.
- (96) Under s32(1)(a) of the Resource Management Act, an evaluation report required under the Act must examine the extent to which the objectives of the proposal being evaluated are the most appropriate way to achieve the purpose of the RMA. The purpose of the RMA, as stated in s5(1) of the Act, is to promote the sustainable management of natural and physical resources.

<b>Evaluation of Objectives</b>	
<b>Proposed Objective</b>	
<b>TREE-O1</b>	<b>Notable Trees</b> <i>Trees with notable heritage, cultural or amenity values are protected and retained for their natural life, except where the tree puts people’s health and safety or the safety of property, including infrastructure, at risk.</i>
<b>Relevance</b>	<ul style="list-style-type: none"> <li>• Addresses a resource management issue identified in this report by recognising the value of notable trees for their heritage, cultural and amenity values.</li> <li>• Section 6 of the RMA identifies the protection of historic heritage and the relationship of Māori and their culture and traditions with ancestral lands, water, sites, waahi tapu and other taonga as matter that must be recognised and provided for.</li> <li>• Section 7 of the RMA identifies the maintenance and enhancement of amenity values as a matter that the Council shall have particular regard to.</li> </ul>
<b>Usefulness</b>	

- The proposed objective provides context for the reasons that notable trees are identified and protected (being for their heritage, cultural and amenity values), and in doing so would assist with the application of the proposed policies and rules.

### **Reasonableness**

- Seeks an outcome that is reasonable for people who operate under the Plan to meet.
- Effectively carries over the objective of the operative District Plan for notable trees, although with an amendment to specify that there are valid circumstances where they do not need to be retained. There is no indication that this objective has been unreasonable to date.
- The objective is consistent with objectives of other district plans.

### **Achievability**

- The objective can be achieved without imposing a significant regulatory burden on people undertaking land use and development under the District Plan (although the policies and rules that implement the objective would have a greater influence on this).
- The objective can be achieved within the Council's powers, skills and resources.

### **Alternatives**

- **No objective**

This alternative would result in the District Plan not having an objective that is specific to notable trees. The result of this would be that the Plan would rely on more general objectives on heritage, cultural values and amenity to set the outcome sought for notable trees – objectives that are located in a range of chapters in the proposed District Plan, including the Strategic Directions, Zone and Historic Heritage chapters.

This alternative is not recommended as the outcome sought for notable trees would be less clear without stating a specific objective for notable trees.

- **A more descriptive objective for notable trees to be retained**

This alternative would involve an objective that seeks protection of notable trees for a wider range of values.

Additional values could include value for stormwater management, mitigation of climate change, slope stability and ecological values.

This alternative has not been proposed as the value of a specific notable tree for stormwater management, climate change, slope stability or ecological values is minimal, and the protection of vegetation for these purposes is better addressed through other parts of the Plan.

### **Summary**

Objective TREE-O1 sets a clear outcome that notable trees are to be retained except in situations specified in the objective. It would enable Council to undertake its regulatory functions to control the actual and potential impacts of land use and development in a way that is not overly prescriptive and would not impose a significant regulatory burden on people undertaking land use and development under the District Plan (although the policies and rules that implement the objective would have a greater influence on this).

## 8 Evaluation of policies and rules

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- (97) Policies and rules implement, or give effect to, the objectives of a plan.
- (98) Policies of a district plan are the course of action to achieve or implement the plan's objective (i.e. the path to be followed to achieve a certain, specified, environmental outcome). Rules of a district plan implement the plan's policies, and have the force and effect of a regulation.
- (99) Under s32(1)(b) of the Resource Management Act, an evaluation report required under the Act must examine whether the provisions in the proposal are the most appropriate way to achieve the objectives by –
- (i) identifying other reasonably practicable options for achieving the objectives; and*
  - (ii) assessing the efficiency and effectiveness of the provisions in achieving the objectives; and*
  - (iii) summarising the reasons for deciding on the provisions.*
- (100) Under s32(2) of the Resource Management Act, the assessment of the efficiency and effectiveness of the provisions must:
- (a) identify and assess the benefits and costs of the environmental, economic, social, and cultural effects that are anticipated from the implementation of the provisions, including the opportunities for –*
    - (i) economic growth that are anticipated to be provided or reduced; and*
    - (ii) employment that are anticipated to be provided or reduced; and*

- (b) if practicable, quantify the benefits and costs referred to in paragraph (a); and*
- (c) assess the risk of acting or not acting if there is uncertain or insufficient information about the subject matter of the provisions.*

### **Structure of this evaluation**

- (101) The proposed Notable Tree chapter includes five policies and three rules that implement a single objective.
- (102) For this evaluation, the policies and associated rules have been evaluated as a package of provisions. However, where appropriate, the evaluation makes refers to and evaluates specific policies and/rules.

### **Quantification of benefits and costs**

- (103) Under Section 32(2)(b), the benefits and costs assessed should be quantified if practicable.
- (104) There are many benefits of notable trees, and the benefits can vary greatly from tree to tree. This makes quantification of the benefits of the policies and rules from protecting these trees unpracticable and of little value. This is also the case for the costs from the potential loss of the trees.

### **Risk of acting / not acting if information is uncertain or insufficient**

- (105) Under Section 32(2)(c) the assessment of efficiency and effectiveness of provisions must include an assessment of the risk of acting or not acting if there is uncertain or insufficient information about the subject matter of the provisions.
- (106) For the Notable Trees chapter, information on the management of notable trees is certain and sufficient. It is a subject matter that has long been addressed by the District Plan and Council and its effects are well understood. In addition, the approach of the proposed District Plan is not a significant departure from the operative District Plan.



**Evaluation of provisions to achieve objective TREE-O1**

**TREE-O1 Notable Trees**

*Trees with notable heritage, cultural or amenity values are protected and retained for their natural life, except where the tree puts people's health and safety or the safety of property, including infrastructure, at risk.*

**TREE-P1 Identify Notable Trees**

**TREE-R1 Notable Tree Trimming**

**TREE-P2 Protect each Notable Tree**

**TREE-R2 Notable Tree Removal**

**TREE-P3 Trimming and maintenance**

**TREE-R3 Activities within the root protection area or dripline of a Notable Tree**

**TREE-P4 Activities in the Root Protection Area and Dripline**

**TREE-P5 Removal of Notable Tree**

**Why these provisions are included in the proposed District Plan**

These policies and rules set a framework for identifying notable trees (following the direction of policy TREE-P1) and protecting them except in circumstances specified objective TREE-O1.

The protection of notable trees is achieved through restrictions on activities that may impact the health of the tree (including tree trimming, maintenance and removal and activities in the root protection area and dripline) and by enabling activities that are for the purpose of protecting and retaining the tree.

Policy TREE-P1 sets a lower STEM threshold for trees that are indigenous to Lower Hutt due to the additional values that can be derived from indigenous species, including the added cultural values.

**Efficiency and effectiveness**

**Benefits**

- The policies and rules set a framework for the protection and retention of notable trees, which would have added benefits for heritage, cultural and amenity values where identified trees are present.

- The permitted activity rules for activities that are for the health of the tree or for safeguarding life or property (where undertaken by Council) allows for these benefits in a way that does not incur costs associated with a resource consent process.
- There is no clear benefit for economic growth or employment through the proposed policies and rules. However, there may be some economic benefits as notable trees can make a positive contribution to the value of a property and surrounding area through added amenity values.
- The approach of policy TREE-P1 of only protecting trees with the approval of the tree owner has a benefit of being enabling of the development aspirations of the owner of the site (development that may require removal or trimming of the tree, or activities in the trees root protection area or dripline), and the benefits associated with that development. However, this is part of a trade-off with the potential loss of the tree and values the tree contributes to heritage, cultural and amenity values of the site and surrounding area.

#### **Costs**

- The approach of policy TREE-P1 of only protecting trees with the approval of the tree owner means that some trees with heritage, cultural or amenity values *of note* may not be retained as retention of the tree would effectively be a choice of the tree owner. However, this is part of a trade-off with enabling development that may require removal or trimming of the tree, or activities in the trees root protection area or dripline.
- There is no clear cost for economic growth or employment through the proposed policies and rules.

#### **Overall assessment**

- The policies and rules are effective at implementing TREE-O1 as they set a clear planning framework that ensures the protection and retention of identified notable trees.
- The policies and rules are relatively efficient (compared to the alternatives discussed below) as they provide for the regular activities that are for the purpose of protecting the health of the tree and safeguarding life or property as a permitted activity.

#### **Reasonably practicable alternative**

##### **A policy to identify a different range of notable trees**

Under this alternative, the District Plan would apply a different policy for the identification of notable trees, resulting in a different range of trees being identified, and possibly more or fewer trees being identified. This could be through raising or increasing the

STEM threshold for notable trees, identification of trees without the owner's approval, only identifying privately owned trees (relying on Councils bylaws, reserve management plans and other plans to manage street and park trees), or setting a different STEM threshold for particular types of trees (such as indigenous trees) or trees in specific locations.

Each of these are valid alternatives for identifying a range of notable trees.

The recommended policies are more appropriate as they continue the existing District Plan approach (which has been effective at protecting the trees identified) except with a lower STEM threshold for trees indigenous to Lower Hutt, in recognition of the additional value of indigenous trees.

In addition, to encourage the identification and protection of privately owned trees, the Council takes the approach of covering monitoring and maintenance costs for identified trees. This ultimately comes at a cost to ratepayers, and while an increase in the number of trees identified and protected as notable trees would potentially result in greater benefits through heritage, cultural and heritage values, this would come with an economic cost.

#### **Identification and protection of groups of trees**

Under this alternative, the District Plan would identify and protect notable groups of trees in addition to individual trees. The benefit for this alternative would be through the positive contribution that groups of trees can make to heritage, cultural and heritage values (in the same way that these benefits are derived from individual trees) but also biodiversity values.

While the STEM method would not be able to be used for the identification of notable groups of trees, an alternative method would be able to be developed.

However, no notable groups of trees have been nominated for inclusion in the proposed District Plan. Where multiple trees have been nominated that are close to each other, each tree in the group has been assessed individually, and listed if the tree meets the STEM threshold set, and if the tree owner approves its identification.

#### **Requiring resource consent for fewer activities**

Under this alternative, the District Plan would take a less regulatory approach to protecting notable trees. This would likely be through either permitting trimming of trees by anyone (rather than just Hutt City Council) or providing for any activities within the root protection area or dripline of notable trees.

The reason for this approach would be that it provides for a greater range of activities that do not involve the removal of the tree. However, while these activities may be able to be undertaken without risking the health of the tree or its heritage, cultural and amenity values, trimming and activities within the root protection area and dripline of notable trees do have the potential to put

the health of the tree at risk. As a result, the proposed approach of the Notable Trees chapter would be more effective at protecting the identified notable trees.

## 9 Summary

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- (107) This evaluation has been undertaken in accordance with section 32 of the Resource Management Act 1991 in order to identify the need, benefits, costs and the appropriateness of the proposed District Plan's approach to notable trees, having regard to its effectiveness and efficiency in achieving the purpose of the RMA.
- (108) The evaluation has been undertaken in light of:
- The statutory and policy context for notable trees, and in particular, Part 2 of the RMA which outlines the purpose and principles of the Act, and
  - The investigation into resource management issues for notable trees for Lower Hutt, including the assessment of the operative District Plan, the approaches of other district plans, and engagement with Mana Whenua, the community and other stakeholders.
- (109) Notable trees have been identified through technical assessments of trees that have been nominated by the Lower Hutt community using the Standard Tree Evaluation Method, a common method for assessing the overall value of notable trees. Identified trees are those that:
- Meet a STEM score of 100 for trees indigenous to Lower Hutt or 120 for all other trees, and
  - Have been approved by the owner of the tree for identification and protection in the District Plan.
- (110) The evaluation demonstrates that this proposal is the most appropriate option, as it includes the most appropriate objectives, policies and methods to ensure protection of notable trees and the benefits of notable trees for heritage, cultural and amenity values.

# 10 Attachments

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- Appendix 1: List of Notable Trees for the proposed District Plan, with assessments of newly proposed trees.

## Appendix 1: List of notable trees with assessment sheets for newly proposed notable trees

The following table lists the notable trees from the proposed District Plan (SCHED3: Notable Trees). Trees that are already listed as notable trees in the operative District Plan are identified as *Existing* notable trees. Trees that would be newly identified through the proposed District Plan are highlighted and identified as *Proposed*

Reference	Street address/Location	Name	Summary of Values/STEM Score	Existing or proposed?
1.	35 Athlone Crescent, Avalon Road Reserve On Council berm, southern corner of Scanlan Street.	Northern Rata ( <i>Metrosideros robusta</i> )	Very healthy specimen. Over 80 years old. STEM Score: 126	Existing
2.	Aurora Street Reserve, 17 Aurora Street, Petone LOT 62 DP 393, HCC Reserve 1 of 3 Pohutukawa growing in a row along the street frontage. This is the southernmost tree.	Pohutukawa ( <i>Metrosideros excelsa</i> )	1 of 3 Pohutukawa trees growing in a row along the street frontage. Mature specimen estimated age between 80 and 100 years. Foliage cover throughout the crown of the tree is healthy, showing good vigor and vitality. STEM Score: 120	Proposed
3.	Aurora Street Reserve, 17 Aurora Street, Petone LOT 62 DP 393, HCC Reserve 1 of 3 Pohutukawa growing in a row along the street frontage. This is the northernmost tree.	Pohutukawa ( <i>Metrosideros excelsa</i> )	1 of 3 Pohutukawa trees growing in a row along the street frontage. Mature specimen, estimated age between 80 and 100 years. Foliage cover throughout the crown of the tree is healthy, showing good vigour and vitality. STEM Score: 120	Proposed
4.	Aurora Street Reserve, 17 Aurora Street, Petone LOT 62 DP 393, HCC Reserve Standalone Pohutukawa growing in the south-west of the reserve.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature specimen, estimated age between 80 and 100 years. Foliage cover throughout the crown of the tree is healthy, showing good vigour and vitality. STEM Score: 132	Proposed
5.	Aurora Street Reserve, 17 Aurora Street, Petone LOT 62 DP 393, HCC Reserve Ngaio growing on street frontage directly in front of homestead building.	Ngaio ( <i>Myoporum laetum</i> )	Mature specimen, estimated age around 80 years. Provides a framework for the residential building behind and forms part of the mature treescape along the street frontage. The foliage cover throughout the crown of the tree is healthy showing good vigour and vitality. STEM Score: 108	Proposed
6.	2 Avalon Crescent, Avalon Road Reserve On Council berm.	Cork Oak ( <i>Quercus suber</i> )	Planted by Thomas Mason in 1860 as part of 'Mason Gardens'. Excellent form, well balanced and symmetrical. STEM Score: 123	Existing
7.	6 Avalon Crescent, Avalon LOT 3 DP 19679 Rear of property.	Totara ( <i>Podocarpus totara</i> )	Large, mature, very healthy specimen. Likely to be a remnant tree. Around 200 years old. STEM Score: 150	Existing
8.	6 Avalon Crescent, Avalon LOT 3 DP 19679 Rear of property.	Wellingtonia / Giant Redwood ( <i>Sequoiadendron giganteum</i> )	Planted by Thomas Mason in 1859. Healthy tall tree that dominates the locality. STEM Score: 147	Existing
9.	7 Avalon Crescent, Avalon LOT 2 DP 19841 Front of property, next to footpath.	Weeping Japanese Pagoda Tree ( <i>Sophora japonica 'Pendula'</i> )	Mature grafted tree. Planted by Thomas Mason in 1896. Oldest known specimen in NZ. STEM Score: 135	Existing

10.	7A Avalon Crescent, Avalon LOT 1 DP 19841 Front of property.	Magnolia ( <i>Magnolia campbellii</i> )	Planted by Thomas Mason around 1860. Highly likely to be oldest known specimen in NZ. STEM Score: 132	Existing
11.	9A Avalon Crescent, Avalon LOT 2 DP 86064 Along driveway.	Gold-Leaved Chestnut ( <i>Castanopsis cuspidata</i> )	Planted by Thomas Mason around 1860. Displays good structural strength and very healthy canopy. STEM Score: 162	Existing
12.	12A Avalon Crescent, Avalon LOT 2 DP 25363 Rear of property.	Cork Oak ( <i>Quercus suber</i> )	Planted by Thomas Mason around 1860. Mature and healthy tree. STEM Score: 144	Existing
13.	18A Avalon Crescent, Avalon LOT 2 DP 21901 Growing on boundary.	Maidenhair Tree ( <i>Ginkgo biloba</i> )	Very healthy mature tree showing excellent vigour. Likely to be planted around 1850 by Thomas Mason. STEM Score: 129	Existing
14.	22 Avalon Crescent, Avalon LOT 1 DP 17026 Front of property.	Turkey Oak ( <i>Quercus cerris</i> ) Inspection required when in leaf for positive identification.	Planted by Thomas Mason around 1860. Very good form, healthy, not compromised by pruning. (Currently determined as infrequent but may be rare or very rare depending on final classification.) STEM Score: 150	Existing
15.	7 Balgownie Grove, Naenae LOT 7 and 8 DP 59677 Growing on southern boundary adjacent to the walkway along Waiwhetu Stream.	Kahikatea ( <i>Dacrydium dacrydioides</i> )	Remnant tree of the dominant species that once flourished on the Hutt Valley floor. Estimated age well over 100yrs old. Canopy growth is very healthy. STEM Score: 138	Proposed
16.	2, Bellevue Rd, Woburn LOT 1 DP 10954 40D/349	Nikau Palm #1 ( <i>Rhopalostylis sapida</i> )	STEM Score: 120	Proposed
17.	2, Bellevue Rd, Woburn LOT 1 DP 10954 40D/349	Nikau Palm #2 ( <i>Rhopalostylis sapida</i> )	STEM Score: 126	Proposed
18.	2, Bellevue Rd, Woburn LOT 1 DP 10954 40D/349	Nikau Palm #3 ( <i>Rhopalostylis sapida</i> )	STEM Score: 126	Proposed
19.	2, Bellevue Rd, Woburn LOT 1 DP 10954 40D/349	Nikau Palm #4 ( <i>Rhopalostylis sapida</i> )	STEM Score: 132	Proposed
20.	2, Bellevue Rd, Woburn LOT 1 DP 10954 40D/349	Nikau Palm #5 ( <i>Rhopalostylis sapida</i> )	STEM Score: 153	Proposed



21.	2, Bellevue Rd, Woburn LOT 1 DP 10954 40D/349	Nikau Palm #6 ( <i>Rhopalostylis sapida</i> )	STEM Score: 141	Proposed
22.	Belmont Domain, 711 Western Hutt Road, Belmont SEC 3 BLOCK IX SO 24042, HCC Reserve Adjacent to Belmont Memorial Hall building.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Mature tree with healthy foliage and canopy. Around 100 years old. STEM Score: 123	Existing
23.	Belmont Domain, 711 Western Hutt Road, Belmont SEC 3 BLOCK IX SO 24042 HCC Reserve Centre Island adjacent to Belmont Memorial Hall building.	Wellingtonia / Giant Redwood ( <i>Sequoiadendron giganteum</i> )	Memorial tree to Peter and Matilda Speedy. Overall healthy tree. STEM Score: 120	Existing
24.	Bishop Park opposite 35 Marine Parade, Eastbourne Road Reserve	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tree with reasonable form. STEM Score: 120	Existing
25.	Bishop Park opposite 45 Marine Parade, Eastbourne Road Reserve	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tree with reasonable health and vigour. STEM Score: 132	Existing
26.	Bishop Park opposite 57 Marine Parade, Eastbourne Road Reserve	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tree with reasonable health and well- balanced form. STEM Score: 126	Existing
27.	Bishop Park opposite 61 Marine Parade, Eastbourne Road Reserve	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tree with reasonable health. STEM Score: 120	Existing
28.	Bishop Park opposite 71 Marine Parade, Eastbourne Road Reserve	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tree with reasonable health. STEM Score: 120	Existing
29.	Boulcott School, 9 Boulcott Street, Boulcott LOT 5 DP 8735 By driveway on the western aspect of school grounds. Tree in lawn area 20m back from the road.	Totara ( <i>Podocarpus totara</i> )	Good health and form. Around 100 years old. STEM Score: 141	Existing
30.	Boulcott School, 9 Boulcott Street, Boulcott LOT 5 DP 8735 By driveway on the western aspect of school grounds. Tree closest to the main road.	Totara ( <i>Podocarpus totara</i> )	Very healthy tree showing good vigour. Around 100 years old. STEM Score: 123	Existing
31.	11 Bracken Street, Petone Road Reserve On Council berm.	Kermadec Pohutukawa ( <i>Metrosideros kermadecensis</i> ) Possibly a hybrid	Planted in 1918. Large spreading canopy, displaying very good form and health. STEM Score: 126	Existing
32.	12 Britannia Street, Petone PT SEC 5 SO 11031 Front of property.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Large tree in excellent condition. Dominant tree in the area. Around 100+ years old. STEM Score: 150	Existing

33.	Buick Street, Petone Road Reserve Central median at Buick Street, south of Elizabeth Street, next to public toilet building.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree with excellent form and health. Around 100 years old. STEM Score: 138	Existing
34.	Buick Street, Petone Road Reserve Central median north of Elizabeth Street, 3rd tree from the north.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree with nine well developed stems and well- balanced spreading canopy. Around 100 years old. STEM Score: 123	Existing
35.	28 Charleston Avenue, Boulcott Road Reserve On Council berm.	Pohutukawa ( <i>Metrosideros excelsa</i> )	A tall, mature specimen showing good form and balance. Estimated age around 100 years. Canopy is healthy, showing good vigour and density of foliage. STEM Score: 141	Proposed
36.	31 Connolly Street, Boulcott LOT 1 DP 49841 Front of property.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree showing excellent form and health. Well over 100 years old. STEM Score: 144	Existing
37.	Doreen Doolan Mall, Petone Adjacent to Library building.	Moreton Bay Fig ( <i>Ficus macrophylla</i> )	Local landmark and identity dominating the location and providing substantial shade. Mature tree of approximately 80 years. STEM Score: 159	Proposed
38.	57 Durham Crescent, Epuni Road Reserve On Council berm.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree displaying an even spreading canopy with healthy dense foliage cover throughout its crown. STEM Score: 129	Proposed
39.	73 Eastern Hutt Road, PT SEC 59 & SEC 554 HUTT PT SEC 59 & SEC 554 HUTT	English Oak ( <i>Quercus robur</i> )	STEM Score: 132	Proposed
40.	73 Eastern Hutt Road, PT SEC 59 & SEC 554 HUTT PT SEC 59 & SEC 554 HUTT	English Ash ( <i>Fraxinus excelsior</i> )	STEM Score: 132	Proposed
41.	Eastern Hutt Road Reserve, 156 Eastern Hutt Road, Taita LOT 19 DP 17961, HCC Reserve Northern aspect of property.	Totara ( <i>Podocarpus totara</i> )	Solitary specimen in excellent form and health. Highly likely to be remnant. Estimated to be over 200 years old. STEM Score: 183	Existing
42.	38 Fitzherbert Street, Petone LOT 1 DP 27168, HCC Reserve Southernmost tree in the reserve area, located near Public Toilets on corner of Jackson St/Fitzherbert St.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature with a spreading canopy and showing reasonable form and balance. Estimated age between 80 and 100 years. STEM Score: 138	Proposed
43.	38 Fitzherbert Street, Petone LOT 1 DP 27168, HCC Reserve Northernmost tree in the reserve area, located near Public Toilets on corner of Jackson St/Fitzherbert St.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature and showing very good form and balance. Estimated age between 80 and 100 years. STEM Score: 150	Proposed
44.	Fraser Street, Hutt Central Road Reserve Western most and shortest tree. 1st tree from pedestrian crossing on High Street	Phoenix Palm ( <i>Phoenix canariensis</i> )	80-100 years old. Group of palm trees creates a local landmark. STEM Score: 129	Existing

45.	Fraser Street, Hutt Central Road Reserve 2nd tree from pedestrian crossing on High Street.	Phoenix Palm ( <i>Phoenix canariensis</i> )	80-100 years old. Group of palm trees creates a local landmark. STEM Score: 147	Existing
46.	Fraser Street, Hutt Central Road Reserve 3rd tree from pedestrian crossing on High Street.	Phoenix Palm ( <i>Phoenix canariensis</i> )	80-100 years old. Group of palm trees creates a local landmark. STEM Score: 147	Existing
47.	Fraser Street, Hutt Central Road Reserve Eastern most tree. 4th tree from pedestrian crossing on High Street.	Phoenix Palm ( <i>Phoenix canariensis</i> )	80-100 years old. Group of palm trees creates a local landmark. STEM Score: 141	Existing
48.	20 Guthrie Street, Waiwhetū LOT 1 DP 88595 56B/249 Street frontage, north corner of section.	Totara ( <i>Podocarpus totara</i> )	Healthy, mature native tree that is readily visible to the passing public. STEM Score: 120	Proposed
49.	130 Hair Street, Wainuiomata LOT 53 DP 16946 Front of property.	Black Beech ( <i>Fuscospira [Nothofagus] solandri</i> )	Large mature tree with good health and vigour. At least 150+ years old. Remnant of bush area, surrounded by bush reserve. STEM Score: 120	Existing
50.	14 Harbour View Road, Harbour View Road Reserve Uphill specimen, closest to roadside.	Black Beech ( <i>Fuscospira [Nothofagus] solandri</i> )	Mature specimen in overall healthy condition. STEM Score: 129	Existing
51.	14 Harbour View Road, Harbour View Road Reserve Downhill specimen, furthest away from roadside.	Black Beech ( <i>Fuscospira [Nothofagus] solandri</i> )	More dominant specimen with good health and foliage cover. STEM Score: 135	Existing
52.	Harbour View Road / State Highway 2 Melling Road Reserve Opposite Melling Railway Station, growing by the stream next to a large Pohutukawa tree.	Silver Fir ( <i>Abies alba</i> )	Relatively rare specimen, healthy and reasonable form. Around 100 years old. STEM Score: 132	Existing
53.	Harbour View Road / State Highway 2 Melling Road Reserve On the corner of Harbour View Road/ State Highway 2 opposite Melling Railway Station.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature spreading specimen, dominant tree cover in the area. Around 100+ years old. STEM Score: 129	Existing
54.	18 Hautana Square, Woburn PT LOTS 9/10 & 11 DP 1547 Rear of property.	Ash ( <i>Fraxinus excelsior</i> )	Mature tree with well- balanced canopy. Planted by H.T Hawthorn in 1906. STEM Score: 138	Existing
55.	610 High Street, Boulcott Pt SEC 35 SO 10494 Northern most specimen of three trees in close lineal group along Kings Crescent frontage.	Nikau ( <i>Rhopalostylis sapida</i> )	Over 100 years old, likely to be remnant growth. STEM Score: 120	Existing
56.	610 High Street, Boulcott Pt SEC 35 SO 10494 Central specimen of three trees in close lineal group along Kings Crescent frontage.	Nikau ( <i>Rhopalostylis sapida</i> )	Over 100 years old, likely to be remnant growth. STEM Score: 126	Existing

57.	610 High Street, Boulcott Pt SEC 35 SO 10494 Southern most specimen of three trees in close lineal group along Kings Crescent frontage.	Nikau ( <i>Rhopalostylis sapida</i> )	Over 100 years old, likely to be remnant growth. STEM Score: 120	Existing
58.	615 High Street, Boulcott LOT 1 DP 7741 Front of property.	Totara ( <i>Podocarpus totara</i> )	Around 150-200 years old, likely to be a remnant tree. Good form. STEM Score: 126	Existing
59.	724 High St, Epuni LOT 3 DP 78049 East corner of property, fronting Trinity Avenue.	Ti Kōuka ( <i>Cordyline australis</i> )	Healthy tree, over 100 years old. Well-developed clear main trunk and multi-stemmed canopy. Important remnant. STEM Score: 150	Existing
60.	Hutt Hospital, 638 High Street, Boulcott LOT 3 DP 11717 South of Labyrinth, adjacent to Norfolk Pine.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Large spreading mature tree. Around 150 years old. STEM Score: 141	Existing
61.	Hutt Hospital, 638 High Street, Boulcott LOT 3 DP 11717 North of Labyrinth, between Oak tree to East and Redwood to West.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree with very good form, part of a large canopy cover formed by other similar sized surrounding trees. Around 150 years old. STEM Score: 135	Existing
62.	Hutt Hospital, 638 High Street, Boulcott LOT 3 DP 11717 North of Labyrinth, adjacent to notable Pohutukawa.	Californian Redwood ( <i>Sequoia sempervirens</i> )	Mature specimen displaying good vigour. Well over 100 years old. STEM Score: 129	Existing
63.	Hutt Hospital, 638 High Street, Boulcott LOT 3 DP 11717 South of Labyrinth, adjacent to notable Pohutukawa.	Californian Redwood ( <i>Sequoia sempervirens</i> )	Mature tree showing very good vigour and vitality. Estimated to be over 100 years old. STEM Score: 123	Existing
64.	Hutt Hospital, 638 High Street, Boulcott LOT 3 DP 11717 North of Labyrinth at the end of walkway, adjacent to Pohutukawa.	English Oak ( <i>Quercus robur</i> )	Large spreading specimen. Around 150 years old. STEM Score: 144	Existing
65.	Hutt Hospital, 638 High Street, Boulcott LOT 3 DP 11717 Adjacent to Labyrinth.	English Oak ( <i>Quercus robur</i> )	Large stable tree. Around 150 years old. STEM Score: 138	Existing
66.	819 High Street, Boulcott LOT 2 DP 303206 Northern aspect of property by neighbouring driveway.	Nikau ( <i>Rhopalostylis sapida</i> )	Over 100 years old, likely to be remnant growth. STEM Score: 138	Existing
67.	Naenae College, High St LOT 2 DP18397 Adjacent to main driveway entrance on High Street	Tawhairauriki / Black Beech ( <i>Nothofagus solandri</i> )	At least 80 years old (but may be over 100 years). Possibly a remnant tree. Healthy foliage cover and well-balanced growth. STEM Score: 126	Proposed
68.	32 Hine Road, Wainuiomata Road Reserve On Council berm.	Wellingtonia / Giant Redwood ( <i>Sequoiadendron giganteum</i> )	Mature tree with a good form and health. Around 100 years old. STEM Score: 129	Existing
69.	65 Hutt Road, Petone LOT 1 DP 335616 Close to street frontage.	Mexican Palm / Fan Palm ( <i>Washingtonia robusta</i> )	Tall mature specimen, at least 100 years old. Landmark in the area, very visible. STEM Score: 138	Existing

70.	274A Jackson Street, Petone PT SEC 6 HUTT DIST SO 36856 Adjacent to Police station driveway.	Kermadec Pohutukawa ( <i>Metrosideros kermadecensis</i> )	Reasonable form and health. 80+ years old. STEM Score: 126	Existing
71.	274B Jackson Street, Petone LOT 1 DP 79272 Outside 274B Jackson Street historic jail/police station.	Kermadec Pohutukawa ( <i>Metrosideros kermadecensis</i> )	Reasonable form and health. 80+ years old. STEM Score: 126	Existing
72.	2 Jenness Grove, HARBOUR VIEW LOT 7 DP 10424 475/197	Kowhai ( <i>Sophora microphylla</i> )	STEM Score: 108	Proposed
73.	2, Kauri St, Woburn DP???	Kauri ( <i>Agathis australis</i> )	STEM Score: 126	Proposed
74.	7 Kauri street, Woburn SECS 25/26 PT LOT 27 DP 7186 Hutt Intermediate School	Northern Rata ( <i>Metrosideros robusta</i> )	STEM Score: 150	Proposed
75.	Kereru Road, Days Bay Road Reserve Adjacent to tennis courts, 50m from intersection.	Macrocarpa ( <i>Cupressus macrocarpa</i> )	Good vigour and vitality. Well over 100 years old. STEM Score: 135	Existing
76.	Kereru Road / Marine Drive, Days Bay Road Reserve Centre of Kereru Road at the intersection with Marine Drive.	Macrocarpa ( <i>Cupressus macrocarpa</i> )	Good vigour and vitality. Well over 100 years old. Creates a focal point and landmark. STEM Score: 159	Existing
77.	46 Laings Rd, Hutt Central LOT 2 DP 1519 Front of property, near street frontage.	Nikau ( <i>Rhopalostylis sapida</i> )	Well over 100 years old. Oldest and tallest specimen in the garden. STEM Score: 126	Existing
78.	47 Laings Road, Hutt Central LOT 3 DP 51721 Front of property.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted by Laing family. Well over 100 years ago. Healthy specimen which provides a focal point in the vicinity. STEM Score: 147	Existing
79.	61 Laings Road, Hutt Central LOT 3 DP 480039 Corner of Laings Road and Bloomfield Terrace.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted by Laing family. Well over 100 years ago. Healthy specimen which is readily visible and provides a focal point in the vicinity. STEM Score: 174	Existing
80.	Leonard Wood Park, Wanuiomata LOT 99 DP 22539 Central dominant tree in a row of three pines and a Macrocarpa near the centre of the grassed fields.	Monterey Pine ( <i>Pinus radiata</i> )	Tall tree with a clear single main trunk to a height of 22m. Main canopy has developed unimpeded above the surrounding trees. STEM Score: 123	Proposed
81.	18 Lincoln Avenue, Epuni Road Reserve On Council berm.	Maidenhair tree ( <i>Ginkgo biloba</i> )	Healthy tree showing good vigor. 80+ years old. STEM Score: 120	Existing
82.	Ludlam Park Cnr of Puriri St/ Manuka Ave, Woburn	Puriri ( <i>Vitex lucens</i> )	STEM Score: 120	Proposed

83.	Ludlam Park, Woburn	Pohutukawa ( <i>Metrosideros excelsa</i> )	STEM Score: 138	Proposed
84.	Ludlam Park, Woburn	Totara #1 ( <i>Podocarpus totara</i> )	STEM Score: 120	Proposed
85.	Ludlam Park, Woburn	Totara #2 ( <i>Podocarpus totara</i> )	STEM Score: 120	Proposed
86.	81 Ludlam Crescent, Woburn LOT 2 DP 48214	Pohutukawa ( <i>Metrosideros excelsa</i> )	This tree has not been assessed but is currently protected and estimated to score over 120. STEM Score: est. >120	Existing
87.	48 Ludlam Cres, Woburn, LOT 3 DP 9426 38B/90	Nikau Palm ( <i>Rhopalostylis sapida</i> )	STEM Score: 132	Proposed
88.	71 Manuka Street, Stokes Valley LOT 66 DP 597 Front of property.	Wellingtonia/ Giant Redwood ( <i>Sequoiadendron giganteum</i> )	Well balanced and healthy specimen. Around 80 years old. STEM Score: 138	Existing
89.	Marine Drive, Days Bay Road Reserve Northern most tree growing along the beach frontage.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Excellent specimen, healthiest and best specimen in this avenue of trees. STEM Score: 144	Existing
90.	Marine Drive, Days Bay Road Reserve Second northern most tree growing along the beach frontage.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Displays healthy foliage cover. STEM Score: 132	Existing
91.	Marine Drive, Days Bay Road Reserve Growing by wharf entrance, beside bus stop and boat shed.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Large wide spreading tree. STEM Score: 126	Existing
92.	Marine Drive, Days Bay Road Reserve On north side of changing room facilities. Growing directly into the sandy beach.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Healthy, wide spreading canopy. STEM Score: 126	Existing
93.	Marine Drive, Days Bay Road Reserve On south side of changing shed. Growing directly into the sandy beach.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Good growth form with healthy foliage. STEM Score: 126	Existing
94.	Marine Drive, Days Bay Road Reserve Second tree to the south of the changing shed.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Compact growth form with healthy foliage. STEM Score: 126	Existing
95.	Mitchell Park (Lucy Cole Rose Garden), Epuni PT LOT 2 DP13438 Located near corner of Mitchell St/Witako St intersection.	Golden Elm ( <i>Ulmus procera</i> 'Louis van Houtte')	Extensive spreading canopy that is symmetrical and balanced. Estimated at 80 years old. STEM Score: 141	Proposed
96.	21 Moores Valley Road, Wainuiomata PART LOT 134 DP 12424 Dominant tree of the two Totara near the boundary with 19 Moores Valley Road	Totara ( <i>Podocarpus totara</i> )	Healthy, mature specimen well over 100 years old. Remnant specimen. Reasonable balanced canopy displaying very good vigour and vitality. STEM Score: 156	Proposed

97.	21 Moores Valley Rd, Wainuiomata PART LOT 134 DP 12424 Smaller of the two Totara near the boundary with 19 Moores Valley Road	Totara ( <i>Podocarpus totara</i> )	Likely be similar age as the neighboring Totara tree, being well over 100 years old and a remnant specimen. Canopy is healthy with good foliage cover and nodal growth. STEM Score: 156	Proposed
98.	21 Moores Valley Rd, Wainuiomata PART LOT 134 DP 12424 On the northern side of two Totara trees near the boundary with 19 Moores Valley Road	Pökākā ( <i>Elaeocarpus hookerianus</i> )	May be a similar age as the neighboring Totara, being well over 100 years old and a remnant specimen. The canopy is reasonably healthy with a good vigour and density of foliage found throughout the mid and upper crown. STEM Score: 150	Proposed
99.	153 Muritai Road, Eastbourne Road Reserve On Council berm, outside the school.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tree. STEM Score: 120	Existing
100.	233A Muritai Road, Eastbourne Road Reserve On Council berm.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tree with good foliage cover. STEM Score: 120	Existing
101.	2 Ngaio Street, Eastbourne Road Reserve On Council berm.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tree in healthy condition. STEM Score: 120	Existing
102.	3 Ngaio Street, Eastbourne Road Reserve On Council berm.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tree in healthy condition. STEM Score: 120	Existing
103.	2 Nikau Grove, Woburn LOT 49 DP 1155 Front of property.	Nikau ( <i>Rhopalostylis sapida</i> )	Semi mature tree planted as a seed in the early 50's. STEM Score: 120	Existing
104.	Nikau Street / 420 Muritai Road, Eastbourne Road Reserve	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tree with very dense canopy, good health and form. STEM Score: 138	Existing
105.	Nikau Street / 421 Muritai Road, Eastbourne Road Reserve	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tree with good foliage cover. STEM Score: 132	Existing
106.	Nikau Street / 424 Muritai Road, Eastbourne Road Reserve On Nikau Street, (outside 424 Muritai Road), tree closer to Muritai Road.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tree with very good dense formed canopy showing good health. STEM Score: 138	Existing
107.	Nikau Street / 424 Muritai Road, Eastbourne Road Reserve On Nikau Street (outside 424 Muritai Road), tree further from Muritai Road.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature and tall tree with good form and dense foliage cover. STEM Score: 144	Existing
108.	9 Nikau Street, Eastbourne Road Reserve On Council berm.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature, very healthy tree. STEM Score: 132	Existing
109.	10 Nikau Street, Eastbourne Road Reserve On Council berm.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tree, very healthy and dense foliage cover. STEM Score: 138	Existing



110.	19/19A Nikau Street, Eastbourne LOT 30 DP 981 Rear of property.	Kauri ( <i>Agathis australis</i> )	Commemorative tree. 'Planted by JH Heenan in 1920 as a memorial to Hugh Girdlestone, who was killed in action at Passchendaele.' STEM Score: 123	Existing
111.	19 Nikau St, Eastbourne LOT 30 DP 981 One of five Nikau Palms at the rear of the property. This is the western most tree, by the stairs.	Nikau Palm ( <i>Rhopalostylis sapida</i> )	Mature specimen. Around 100 years old. Likely to be a remnant specimen. STEM Score: 144	Proposed
112.	19 Nikau St, Eastbourne LOT 30 DP 981 One of five Nikau Palms at the rear of the property. This is located 1m to the east of the western most tree by the stairs.	Nikau Palm ( <i>Rhopalostylis sapida</i> )	Estimated age of around 80 years. STEM Score: 123	Proposed
113.	19 Nikau St, Eastbourne LOT 30 DP 981 One of five Nikau Palms at the rear of the property. This is the tallest of the five trees, located closest to the house.	Nikau Palm ( <i>Rhopalostylis sapida</i> )	Tallest specimen in the group of five. Straight upright stem with good frond development. Estimated age well over 100 years old. STEM Score: 150	Proposed
114.	19 Nikau St, Eastbourne LOT 30 DP 981 One of five Nikau Palms at the rear of the property. This is the smallest of the five trees, on the northern side of the group.	Nikau Palm ( <i>Rhopalostylis sapida</i> )	Smallest specimen in the group of five. Highly likely to be a seedling growth from the main parent trees. Estimated to be around 60 years old. STEM Score: 114	Proposed
115.	19 Nikau St, Eastbourne LOT 30 DP 981 One of five Nikau Palms at the rear of the property. This is the northernmost tree with an accentuated lean on its main trunk.	Nikau Palm ( <i>Rhopalostylis sapida</i> )	Tall specimen. Estimated age around 80 years. STEM Score: 114	Proposed
116.	23 Nikau Street, Eastbourne LOT 34 DP 981 Front of property.	Kauri ( <i>Agathis australis</i> )	Commemorative tree. 'Planted by Sir Joseph H. Heenan of Wellington in August 1919 as a memorial to H. Marsden who was killed at Passchendaele.' STEM Score: 123	Existing
117.	301 Normandale Road, Normandale LOT 16 DP 53631 Below Old Coach Road, on southern boundary adjacent to residential driveway.	Macrocarpa ( <i>Cupressus macrocarpa</i> )	Large specimen with spreading dominant canopy. Remnant tree from group that was planted between 1890 and 1900 as part of farm landscaping for shelter purposes. STEM Score: 132	Existing
118.	301 Normandale Road, Normandale LOT 16 DP 53631 Closest to the Old Coach Road boundary fence line, above gully on northern aspect.	Macrocarpa ( <i>Cupressus macrocarpa</i> )	Large specimen with spreading dominant canopy. STEM Score: 132	Existing
119.	301 Normandale Road, Normandale LOT 16 DP 53631 Northern most specimen, growing directly below Old Coach Road location.	Macrocarpa ( <i>Cupressus macrocarpa</i> )	Largest specimen on site with wide spreading canopy. STEM Score: 138	Existing



120.	1 North Street, Petone Road Reserve On Council berm.	Holm Oak / Evergreen Oak ( <i>Quercus ilex</i> )	Healthy specimen of uncommon evergreen species which has an excellent form and widespread canopy. Planted in 1928. STEM Score: 141	Existing
121.	1 North Street, Petone Public (street tree)	Pohutukawa ( <i>Metrosideros excelsa</i> )	STEM Score: 150	Proposed
122.	39A Oroua Street, Eastbourne Road Reserve On Council berm.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tree, very good form and vigour. STEM Score: 135	Existing
123.	11 Partridge St, Taita Public (Street Tree)	Fraxinus excelsior - (possibly angustifolia) American Ash	Exotic - Pass Score: 126	Proposed
124.	Opposite 12 Partridge St/ cnr Molesworth Street, Taita, Public Street	Fraxinus excelsior - possibly angustifolia) American Ash	Exotic Pass Score-126	Proposed
125.	24 Penrose St, Woburn – Trees on Totara Crescent	Totara ( <i>Podocarpus totara</i> )	STEM Score: 132	Proposed
126.	48 Penrose Street, Woburn	Totara ( <i>Podocarpus totara</i> )	STEM Score: 120	Proposed
127.	48 Penrose Street, Woburn	Northern Rata ( <i>Metrosideros robusta</i> )	STEM Score:132	Proposed
128.	57 Penrose St, Woburn LOT 1 DP 8579 Northern side of driveway near entrance	Pohutukawa ( <i>Metrosideros excelsa</i> )	Large mature specimen. Estimated age around 100 years. Canopy is healthy, showing good vigour and density of foliage. STEM Score: 129	Proposed
129.	66 Penrose Street, Woburn, LOT 2 DP 19154 PT LOT 2 DP 6171 WN895/83 & WN755/31	Totara #1 ( <i>Podocarpus totara</i> )	STEM Score: 126	Proposed
130.	66 Penrose Street, Woburn, LOT 2 DP 19154 PT LOT 2 DP 6171 WN895/83 & WN755/31	Totara #2 ( <i>Podocarpus totara</i> )	STEM Score: 144	Proposed
131.	66 Penrose Street, Woburn, LOT 2 DP 19154 PT LOT 2 DP 6171 WN895/83 & WN755/31	Rimu ( <i>Dacrydium cupressinum</i> )	STEM Score: 108	Proposed
132.	66 Penrose Street, Woburn, LOT 2 DP 19154 PT LOT 2 DP 6171 WN895/83 & WN755/31	Nikau Palm ( <i>Rhopalostylis sapida</i> )	STEM Score: 159	Proposed
133.	3 Pharazyn Street, Melling Road Reserve Northern most specimen, 5m south of Normandale Overbridge.	Wellingtonia / Giant Redwood ( <i>Sequoiadendron giganteum</i> )	Mature specimen, local landmark due to height. Over 100 years old. STEM Score: 141	Existing

134.	3 Pharazyn Street, Melling LOT 1 DP 50967 Growing in lawn gardens, 30m south of Normandale Overbridge.	Wellingtonia / Giant Redwood ( <i>Sequoiadendron giganteum</i> )	Mature specimen, local landmark due to height. Over 100 years old. STEM Score: 135	Existing
135.	16 Pharazyn Street, Melling PT LOT 39 DP 2153 Rear of property.	Northern Rata ( <i>Metrosideros robusta</i> )	Large mature tree. At least 120 years old, remnant specimen of valley floor. Excellent form and health. STEM Score: 159	Existing
136.	5 Pilcher Crescent, Naenae Road Reserve On Council berm.	Chinese Elm ( <i>Ulmus parvifolia</i> )	Planted in 1948. Very healthy, spreading specimen. STEM Score: 120	Existing
137.	15 Pitoitoi Rd, Days Bay LOT 20 DP 340 Rear of property on terraced hillside.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Dominant canopy tree. Well-balanced healthy canopy. Estimated age between 80 and 100 years. STEM Score: 120	Proposed
138.	15 Pitoitoi Rd, Days Bay LOT 20 DP 340 Rear of property on eastern slopes.	Northern Rata ( <i>Metrosideros robusta</i> )	Semi-mature specimen. Healthy canopy showing good density of foliage cover through the upper and lower crown. Estimated age between 80 and 100 years. STEM Score: 120	Proposed
139.	Hutt Central School, 6 Railway Avenue, Hutt Central LOTS 20-21 DP 1792 Main entrance off Railway Avenue, western most specimen.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Planted in the 1920's. Very healthy tree with dense foliage cover. STEM Score: 120	Existing
140.	Hutt Central School, 6 Railway Avenue, Hutt Central School LOTS 20-21 DP 1792 Main entrance off Railway Avenue, eastern most specimen.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Planted in the 1920's. Very healthy specimen with dense canopy and good form. STEM Score: 126	Existing
141.	Raroa Road / 19 Cornwall Street, Hutt Central Road Reserve In front of Raroa Road frontage of 19 Cornwall Street. 2nd tree from corner of Cornwall Street and Raroa Road on southern side.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree, small and compact specimen. Around 80 years old. STEM Score: 120	Existing
142.	Raroa Road / 338 High Street, Hutt Central Road Reserve On Council berm. In front of Raroa Road frontage of 338 High Street. Corner tree on High Street and Raroa Road on southern side.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree with good form. Around 80 years old. STEM Score: 120	Existing
143.	Raroa Road / 338 High Street, Hutt Central Road Reserve On Council berm. In front of Raroa Road frontage of 338 High Street. 2nd tree from corner of High Street and Raroa Road on southern side.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree displaying very good form and balance with good foliage cover and health. Around 80 years old. STEM Score: 126	Existing

144.	3 Raroa Road, Hutt Central Road Reserve On Council berm. In front of 3 Raroa Road. First tree from intersection of High Street and Raroa Road.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree with dense healthy canopy cover, good spread and balance. Around 80 years old. STEM Score: 126	Existing
145.	3 Raroa Road, Hutt Central Road Reserve On Council berm. In front of 3 Raroa Road. 2nd tree from intersection of High Street and Raroa Road.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree showing very good vigour and vitality. Around 80 years old. STEM Score: 126	Existing
146.	6 Raroa Road, Hutt Central Road Reserve On Council berm. In front of 6 Raroa Road.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree with spreading canopy. Very healthy with good density of foliage. Around 80 years old. STEM Score: 126	Existing
147.	7 Raroa Road, Hutt Central Road Reserve On Council berm. In front of 7 Raroa Road.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature, well-balanced and healthy tree with very good form. Around 80 years old. STEM Score: 120	Existing
148.	11 Raroa Road, Hutt Central Road Reserve On Council berm. In front of 11 Raroa Road.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature healthy tree with very good form. Around 80 years old. STEM Score: 120	
149.	12 Raroa Road, Hutt Central Road Reserve On Council berm. In front of 12 Raroa Road.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature smaller tree with very good form and compact dense canopy. Around 80 years old. STEM Score: 126	Existing
150.	15 Raroa Road, Hutt Central Road Reserve On Council berm. In front of 15 Raroa Road.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree with very good form, balance and vigour. Around 80 years old. STEM Score: 126	Existing
151.	16 Raroa Road, Hutt Central Road Reserve On Council berm. In front of 16 Raroa Road.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree, well balanced, healthy canopy. Around 80 years old. STEM Score: 132	Existing
152.	20 Raroa Road, Hutt Central Road Reserve On Council berm. In front of 20 Raroa Road.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree with good form and canopy cover with healthy foliage. Around 80 years old. STEM Score: 126	Existing
153.	4 Rata Street, Eastbourne Road Reserve On Council berm.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Mature tree with a good balance and form. Planted around 1915. STEM Score: 126	Existing
154.	Rata Street / Oroua Streets, Eastbourne Road Reserve On Council berm.	Pohutukawa ( <i>Metrosideros excelsa</i> )	First ANZAC memorial tree in NZ. Planted in memorial of the landing of NZ troops at Gallipoli. STEM Score: 132	Existing
155.	7 Rawhiti St, Stokes Valley LOT 4 DP 22352 Front garden near the roadside boundary.	Red Oak ( <i>Quercus rubra</i> )	Mature specimen. Dominant tree in this location. Healthy canopy with good density and foliage cover. Estimated age between 80 and 100 years. STEM Score: 120	Proposed
156.	Riddiford Gardens, Queens Drive, Hutt Central HCC Reserve Outside War Memorial Library western foyer.	Totara ( <i>Podocarpus totara</i> )	Remnant tree that has survived for around 150 years. Very good form and excellent health. STEM Score: 159	Existing

157.	Riddiford Gardens, Playground Area, Lower Hutt,	( <i>Quercus robur</i> ) English Oak	Stem Score:132	Proposed
158.	Riddiford Gardens, Playground Area, Lower Hutt	Pohutukawa ( <i>Metrosideros excelsa</i> )	STEM Score:141	Proposed
159.	Riddiford Gardens, Playground Area, Lower Hutt, Park area	<i>Dacrydium cupressinum</i> ) Rimu	STEM Score:120	Proposed
160.	Riddiford Gardens, Playground Area, Lower Hutt,	( <i>Salix babylonica</i> ) Weeping Willow #1	STEM Score: 120	Proposed
161.	Riddiford Gardens, Playground Area, Lower Hutt,	( <i>Salix babylonica</i> ) Weeping Willow #2	STEM Score: 120	Proposed
162.	1 Rimu Street, Eastbourne Road Reserve On Council berm. Near the corner with Muritai Rd.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature high-profile tree. Displays very good health and vitality. STEM Score: 156	Existing
163.	3-9 Rimu Street, Eastbourne Road Reserve On Council berm.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature high-profile tree with very healthy foliage cover. STEM Score: 156	Existing
164.	11 Rimu Street, Eastbourne Road Reserve On Council berm.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Planted between 1911 and 1918. Mature tall tree displaying good health and vigour. STEM Score: 150	Existing
165.	73 Rutherford Street, Hutt Central Road Reserve / LOT 2 DP 50907 Partly on Council berm / partly on private property.	English Elm ( <i>Ulmus procera</i> )	Local landmark due to its height. Well over 100 years old. STEM Score: 138	Existing
166.	1 Scanlan Street, Avalon Road Reserve On Council berm.	Northern Rata ( <i>Metrosideros robusta</i> )	Over 80 years old tree with good overall health. STEM Score: 120	Existing
167.	121 Seddon St, Naenae LOT 4 DP 32777 Larger of two Kahikatea at the rear of the property.	Kahikatea ( <i>Dacrycarpus dacrydioides</i> )	Mature specimen. Remnant tree displaying very good form and health. Estimated age well over 100 years. STEM Score: 168	Proposed
168.	121 Seddon St, Naenae LOT 4 DP 32777 Smaller of two Kahikatea at the rear of the property.	Kahikatea ( <i>Dacrycarpus dacrydioides</i> )	Mature specimen. Remnant tree displaying good vigour and vitality but average form. Estimated age well over 100 years. STEM Score: 144	Proposed
169.	140 Seddon Street, Naenae LOT 1 DP 42759 19C/532	Puketea ( <i>Laurelia novae-zelandiae</i> )	STEM Score: 120	Proposed
170.	22 Sherwood Street LOT 1 DP 25977 C4/415	Nikau palm ( <i>Rhopalostylis sapida</i> )	STEM Score:132	Proposed
171.	Speldhurst Park, 222 Stokes Valley Road, Stokes Valley LOT 1 DP 40223, HCC Reserve Closest to Stokes Valley Road on the northern boundary of	English Oak ( <i>Quercus robur</i> )	120 years old very healthy and large spreading tree dominates the northern side of the park. STEM Score: 168	Existing

	the park.			
172.	Speldhurst Park, 222 Stokes Valley Road, Stokes Valley LOT 1 DP 40223, HCC Reserve In the centre of the park.	English Oak ( <i>Quercus robur</i> )	120 years old healthy specimen with wide spreading canopy. STEM Score: 147	Existing
173.	Speldhurst Park, 222 Stokes Valley Road, Stokes Valley LOT 1 DP 40223, HCC Reserve One of two closely growing trees found close to the southern fence-line, it is the eastern most specimen.	English Oak ( <i>Quercus robur</i> )	100 years old mature tree with a healthy crown and associated foliage. STEM Score: 138	Existing
174.	Speldhurst Park, 222 Stokes Valley Road, Stokes Valley LOT 1 DP 40223, HCC Reserve One of two closely growing trees found close to the southern fence-line, it is the western most specimen.	English Oak ( <i>Quercus robur</i> )	100 years old mature tree. STEM Score: 132	Existing
175.	284 Stokes Valley Road, Stokes Valley Lot 21 DP 18888 762/87	English Oak ( <i>Quercus robur</i> )	STEM Score:132	Proposed
176.	Taita College, 188 Eastern Hutt Road, Taita PT SEC 61 SO 20010 Southern end of group of trees on playing field at road frontage.	Copper Beech ( <i>Fagus sylvatica 'purpurea'</i> )	Large mature tree showing very good vigour and vitality. Over 100 years old. STEM Score: 147	Existing
177.	Tennyson Street, Petone Road Reserve Central median, northern most tree.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Smaller tree with very good form and health. Planted in 1928. STEM Score: 120	Existing
178.	Tennyson Street, Petone Road Reserve Central median, 2nd tree from north.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Tall and healthy tree. Planted in 1928. STEM Score: 120	Existing
179.	Tennyson Street, Petone Road Reserve Central median, 4th tree from north.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Shorter but more spreading tree. Healthy showing good vigor and vitality. Planted in 1928. STEM Score: 120	Existing
180.	Tennyson Street, Petone Road Reserve Central median, 2nd tree from south.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Large dominating tree with healthy spreading canopy. Planted in 1928. STEM Score: 120	Existing
181.	Tennyson Street, Petone Road Reserve Central median, southern most tree.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Very healthy tree displaying good form. Planted in 1928. STEM Score: 126	Existing
182.	7 Totara Crescent, Woburn	Totara ( <i>Podocarpus totara</i> )	STEM Score: 132	Proposed

183.	67, Totara Cres, Woburn	Totara ( <i>Podocarpus totara</i> )	STEM Score: 126	Proposed
184.	69, Totara Cres, Woburn	Totara ( <i>Podocarpus totara</i> )	STEM Score: 126	Proposed
185.	42 Totara Cres, Woburn SEC 7 BLK XXIII HUTT VALLEY SETTLEMENT DP 8168 Rear southern corner of property	Pūriri ( <i>Vitex lucens</i> )	Mature specimen with a healthy canopy. Estimated age of around 80 years. STEM Score: 126	Proposed
186.	19 Udy Street, Petone LOT 7 DP 4820 Rear of property.	Southern Rata ( <i>Metrosideros umbellata</i> )	Relatively rare species. Very healthy with good form and vigour, dominant canopy. Over 100 years old. STEM Score: 132	Existing
187.	Victoria Street Reserve, Victoria Street / Cuba Street, Petone PT LOT 115 & 116 DP 50, HCC Reserve One of nine trees creating a single common canopy, on western side of group of trees.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Large spreading dominant tree with large girth producing 8 main trunks. Very healthy specimen with good form. Around 80 years old. STEM Score: 120	Existing
188.	Victoria Street Reserve, Victoria Street / Cuba Street, Petone PT LOT 115 & 116 DP 50, HCC Reserve One of nine trees creating a single common canopy, on eastern side, close to Victoria Waste Water Pumping Station.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Tree with large spreading canopy and 7 main trunks. Healthy tree with good form. Around 80 years old. STEM Score: 120	Existing
189.	Waddington Drive Reserve, Waddington Drive, Naenae LOT 1 DP 47527, HCC Reserve Larger of two specimens.	European Beech ( <i>Fagus sylvatica</i> )	Original planting from the Balgownie Estate built in 1900. STEM Score: 153	Existing
190.	1B Wai-iti Crescent, Woburn LOT 3 DP 565177 RT 1008769	Nikau Palm#1 ( <i>Rhopalostylis sapida</i> )	STEM Score: 126	Proposed
191.	1B Wai-iti Crescent, Woburn LOT 3 DP 565177 RT 1008769	Nikau Palm#2 ( <i>Rhopalostylis sapida</i> )	STEM Score: 120	Proposed
192.	33/53 Wai-iti Crescent, Woburn LOT 2 DP 73265	English Oak ( <i>Quercus robur</i> )	This tree has not been assessed but is currently protected and estimated to score over 120. STEM Score: est. >120	Existing
193.	24 Wainuiomata Rd, Wainuiomata LOT 121 DP 8543 On Council berm, adjacent to road and property fence-line.	Monterey Pine ( <i>Pinus radiata</i> )	Local identity tree, creating a focal point when travelling in both directions along Wainuiomata Rd. Estimated age around 100 years. STEM Score: 150	Proposed
194.	76 Waiwhetū Road / 28 Guthrie Street, Waterloo LOT 2 DP 22915 Street frontage of Waiwhetū Road.	Northern Rata ( <i>Metrosideros robusta</i> )	Large mature specimen. Multi-stemmed and highly visible. Over 100 years old. STEM Score: 138	Existing

195.	167 Waiwhetu Road, Waterloo Flat 2 DP70803 on lot 5 DP 19878 wn39a/24 1/2 share	Nikau palm ( <i>Rhopalostylis sapida</i> )	STEM Score: 138	Proposed
196.	232 Waiwhetū Road, Waterloo LOT 1 DP 14986 Tallest specimen on property, near the driveway, 12m from entrance.	Nikau palm ( <i>Rhopalostylis sapida</i> )	Over 100 years old, likely to be remnant growth. STEM Score: 126	Existing
197.	232 Waiwhetū Road, Waterloo LOT 1 DP 14986 Second tallest specimen, 5m from road frontage and 3m from driveway.	Nikau ( <i>Rhopalostylis sapida</i> )	Over 100 years old, likely to be remnant growth. STEM Score: 123	Existing
198.	313 Waiwhetū Road, Waterloo PT SECS 114115 LOT 186 SO20817 EPUNI SCHOOL	Black Beech ( <i>Fuscospora solandri</i> )	STEM Score: 138	Proposed
199.	10 Walter Road, Point Howard LOT 2 DP 61016 One of four mature Oak trees forming a single common canopy effect. Tree growing next to driveway.	English Oak ( <i>Quercus robur</i> )	Mature healthy tree. Integral part of this grouping. Over 100 years old. STEM Score: 135	Existing
200.	14 Walter Road, Point Howard LOT 2 DP 29259 One of four mature Oak trees forming a single common canopy effect. Growing on the fence line with 18/20 Walter Rd.	English Oak ( <i>Quercus robur</i> )	Largest tree in the group in terms of canopy spread and girth of trunk. Over 100 years old. STEM Score: 123	Existing
201.	124 Waterloo Road, Hutt Central, LOTS 9/10 BLK V11 DP 1377 LOT 18 PT LOT 11 BLK V11 DP 1425 LOTS 42/43 139/15 & 534/255 Chilton Saint James School	Northern Rata ( <i>Metrosideros robusta</i> )	STEM Score: 135	Proposed
202.	124 Waterloo Road, Hutt Central, LOTS 9/10 BLK V11 DP 1377 LOT 18 PT LOT 11 BLK V11 DP 1425 LOTS 42/43 139/15 & 534/255 Chilton Saint James School	Totara ( <i>Podocarpus totara</i> )	Stem Score: 162	Proposed
203.	207/1 Waterloo Road, Hutt Central LOT 4 DP 7907 Front of property.	Nikau ( <i>Rhopalostylis sapida</i> )	Healthy tree growing in reasonably exposed location. Over 100 years old. STEM Score: 120	Existing
204.	3 Westminster Rd, Wainuiomata LOT 205 DP15669	Ti Kouka/Cabbage tree ( <i>Cordyline australis</i> )	STEM Score:108	Proposed
205.	61 Whites Line East, Waiwhetū LOT 1 DP 322484 Rear of property, close to dwelling.	Northern Rata ( <i>Metrosideros robusta</i> )	Mature tree with distinct canopy formation. Good form, health and vigour. STEM Score: 129	Existing
206.	213 Whites Line East, Waiwhetū LOT 2 DP 54043 Adjacent to eastern side of the	Kahikatea ( <i>Dacrycarpus dacrydioides</i> )	Mature remnant tree with large girth and dense but reasonably balanced canopy that displays good health. Estimated age well over 100 years.	Proposed



	shared driveway.		STEM Score: 144	
207.	Williams Park, 611B Marine Drive, Days Bay PT SEC 33 SO 17210, HCC Reserve At the back of duck pond. Northern most specimen closest to the cafe building.	Macrocarpa ( <i>Cupressus macrocarpa</i> )	Large mature specimen with spreading canopy. Over 100 years old. STEM Score: 123	Existing
208.	Williams Park, 611B Marine Drive, Days Bay PT SEC 33 SO 17210, HCC Reserve At the back of duck pond. Dominant central specimen.	Macrocarpa ( <i>Cupressus macrocarpa</i> )	Healthy specimen, good vigour and vitality. Largest specimen of the group. Over 100 years old. STEM Score: 147	Existing
209.	Williams Park, 611B Marine Drive, Days Bay PT SEC 33 SO 17210, HCC Reserve At the back of duck pond. Southern most specimen.	Macrocarpa ( <i>Cupressus macrocarpa</i> )	Healthy specimen, good vigour and vitality. Smallest specimen of the group. Over 100+ years old. STEM Score: 141	Existing
210.	Williams Park, 611B Marine Drive, Days Bay PT SEC 33 SO 17210, HCC Reserve Rear of 'Menzshed" adjacent to Kereru Road.	Macrocarpa ( <i>Cupressus macrocarpa</i> )	Multi-stemmed healthy specimen. Planted around the turn of the century. STEM Score: 129	Existing
211.	Williams Park, Days Bay PT SEC 33 HARBOUR DIST Southern end of park by barbeque area.	Pūriri ( <i>Vitex lucens</i> )	Mature, estimated age of between 80- 100 years old. Healthy foliage with good vigour and vitality. STEM Score: 126	Proposed
212.	135 Woburn Road, cnr of Bellevue Road	Kauri ( <i>Agathis australis</i> )	STEM Score: 126	Proposed
213.	150 Woburn Road, Woburn LOT 1 DP 6028 Front of property.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Excellent specimen. Planted in the 1840's by A Ludlam. One of the oldest and largest Pohutukawa trees in the Hutt environs. Hugh girth, wide spreading canopy, excellent health. Local landmark. STEM Score: 162	Existing
214.	154 Woburn Road, Woburn LOT 3 DP 5877 American Embassy grounds. On western boundary.	Tulip Tree ( <i>Liriodendron tulipifera</i> )	One of the original plantings of Ludlam Estate / Bellevue Gardens. Spreading tree with large- girthed trunk. Around 150 years old. STEM Score: 126	Existing
215.	160 Woburn Road, Woburn Pt LOT 4 DP 5877 American Embassy grounds. Central feature in main lawn.	Tulip Tree ( <i>Liriodendron tulipifera</i> )	One of the original plantings of Ludlam Estate / Bellevue Gardens. Large spreading form with excellent branch structure. Aged around 150 years old. STEM Score: 159	Existing
216.	160 Woburn Road, Hutt Central PT LOT 5 DP 5877 American Embassy grounds. Close to street frontage.	Norfolk Island Pine ( <i>Araucaria heterophylla</i> )	Healthy specimen with good form and vigour. Height creates a local focal point. Planted by Alfred Ludlam. Between 100 and 150 years old. STEM Score: 153	Existing



217.	160 Woburn Road, Woburn Pt LOT 4 DP 5877 American Embassy grounds.	Pohutukawa ( <i>Metrosideros excelsa</i> )	Excellent large spreading specimen displaying excellent health. STEM Score: 147	Existing
218.	1 York Avenue, Manor Park Road reserve On Council berm.	Red Oak ( <i>Quercus rubra</i> )	Large, rounded specimen showing excellent symmetry and balance. Around 80-90 years old. STEM Score: 126	Existing
219.	10 Gordon St, Avalon LOTS 20/22 DP 2162 Avalon Primary School	Kahikatea ( <i>Dacrycarpus dacrydioides</i> )	STEM Score: 108	Proposed

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 26<sup>th</sup> February 2023

Location: 17, Aurora St. Aurora St reserve, 2 of 3 Pohutukawa trees growing in a row along the street frontage. This is the central tree.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 120

Species: *Metrosideros excelsa* - Pohutukawa

Photographs:



Height –14m    Spread – 14m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is mature specimen, its estimated age is between 80- 100yrs old. Archives need to be researched to see if it is possible to accurately determine it age. Initial investigations found Nelson family property in 1908 but unsure when plantings took place.

Along with the neighbouring trees it plays an integral part in providing the mature tree-scape along the frontage of this reserve location.

Two main trunks have formed at the base of the tree. It is unclear whether these have formed from the same basal area or are indeed two separate trees. For the purpose of this assessment they are considered as one tree having grown as an integral closely bonded single unit.

An upright canopy development has formed with the dominant growth found on the unrestricted growing area to the West. Pruning has been undertaken in the past on the street frontage side to keep growth clear of overhead 400v power lines. As a result a misshapen canopy has formed displaying poor balance.

The foliage cover throughout the crown of the tree is healthy showing good vigour and vitality.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						69

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						51

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 120**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 26<sup>th</sup> February 2023

Location: 17, Aurora St. Aurora St reserve, 3 of 3 Pohutukawa trees growing in a row along the street frontage. This is the northernmost tree closest to the building.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 120

Species: *Metrosideros excelsa* - Pohutukawa

Photographs:



Height –14m    Spread – 12m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is mature specimen, its estimated age is between 80- 100yrs old. Archives need to be researched to see if it is possible to accurately determine it age. Initial investigations found Nelson family property in 1908 but unsure when plantings took place.

Along with the neighbouring trees it plays an integral part in providing the mature tree-scape along the frontage of this reserve location.

Two main trunks have formed at the base of the tree, they then subdivide into several smaller scaffold limbs that have all developed with upright growth habits.

Its canopy growth has been severely restricted on the southern aspect from the competing nature of the similar sized central tree with their canopies being in direct contact with each other.

As a result a misshapen canopy has formed displaying poor balance with an elongated lateral growth found on the northern and western sides

The foliage cover throughout the crown of the tree is healthy showing good vigour and vitality.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						69

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						51

**Notable Evaluation**

<b>Recognition</b>		Local	District	Regional	National	International	
<b>Points</b>		3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>						
	<b>Form</b>						
<b>Historic</b>	<b>Age 100+</b>						
	<b>Association</b>						
	<b>Commemoration</b>						
	<b>Remnant</b>						
	<b>Relict</b>						
<b>Scientific</b>	<b>Source</b>						
	<b>Endangered</b>						
<b>Subtotal Points</b>							

**Total Points 120**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 26<sup>th</sup> February 2023

Location: 17, Aurora St. Aurora St reserve, mature Pohutukawa standalone tree growing in the lawn area South Western location of reserve.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 132

Species: *Metrosideros excelsa* - Pohutukawa

Photographs:



Height –13m    Spread – 15m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is mature specimen, its estimated age is between 80- 100yrs old. Archives need to be researched to see if it is possible to accurately determine it age. Initial investigations found Nelson family property in 1908 but unsure when plantings took place.

This is a standalone tree having developed unhindered by competing vegetation, it provided the main focal point and shade tree within the reserve grounds. It is growing in an exposed location particularly vulnerable to the southern winds.

Three main trunks have formed at the base of the tree, they then subdivide into ten stems that fan out to create the spreading canopy growth.

The crown of the tree is reasonably balanced with a spreading lateral growth found on the northern aspect.

The foliage cover throughout the crown of the tree is healthy showing good vigour and vitality.

**Condition Evaluation**

Points	3	9	15	21	27	Score
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	15
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						75

**Amenity Evaluation**

Points	3	9	15	21	27	Score
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						57

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	Score
<b>Points</b>	3	9	15	21	27	
<b>Stature</b>						
<b>Feature</b>						
<b>Form</b>						
<b>Historic</b>						
<b>Age 100+</b>						
<b>Association</b>						
<b>Commemoration</b>						
<b>Remnant</b>						
<b>Relict</b>						
<b>Scientific</b>						
<b>Source</b>						
<b>Endangered</b>						
<b>Subtotal Points</b>						

Total Points 132



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 26<sup>th</sup> February 2023

Location: 17, Aurora St. Aurora St reserve, Ngaio tree growing on the street frontage. Directly in front of the homestead building.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 108

Species: *Myoporum laetum* - Ngaio

Photographs:



Height –9.5m    Spread – 10m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is mature specimen, its estimated age is around 80yrs old. It provides a framework for the old residential building behind and forms part of the mature trees cape along the street frontage

Two main trunks have formed at a height of 1m from the base of the tree. Both stems display a number of old pruning wounds that show advanced stages of decay at these points (see photo). This is a typical trait found in older Ngaio trees, although they are generally able to maintain their structural integrity at these decay sites where other species might fail. It is unlikely however that the tree will ever successfully compartmentalise these decay points and in all likelihood will eventually lead to the collapse of one or both of these main stems. The limited remaining lifespan is determined to be within the next 10 - 30years.

The canopy growth is reasonably balanced overall as the two competing stems have developed their own branch structures and resulting crowns. The foliage cover is healthy showing reasonable density and vigour throughout.

The foliage cover throughout the crown of the tree is healthy showing good vigour and vitality.



**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	3
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						57

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						51

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 108**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 12<sup>th</sup> December 2022

Location: 7, Balgownie Grove, Naenae. Growing on the southern boundary fenceline adjacent to the walkway along Waiwhetu stream at the rear of property.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 138

Species: *Dacrycarpus dacrydioides* (kahikatea or white pine)

Photographs:



Height – 22m    Spread – 11m    Volume formulae – Conical

Background information / Site information/ General comments:

A dense multi stemmed mature tree, it is a healthy specimens not visible from the road but readily seen from the adjacent walkway.

This is a remnant tree of the dominant species that once flourished on the Valley floor it has an estimated age well over 100yrs old. It has a large girth trunk that divides into 3 main stems at a height of 3m. This is not the characteristic growth pattern associated with this forest tree where a single main trunk is the norm. It has had some apical damage during its juvenile years with the resulting 3 competing stems formed. This has created a dense and compact canopy development. The canopy growth is very healthy and being on the south side of the property it doesn't cause any concerns over shading issues.

The future growth of trunk is likely to impact on fence-line as its girth continues to increase all be it at a slow rate.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	9
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						75

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	9
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						57

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					3
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					3
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						6

**Total Points 138**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 28<sup>th</sup> August 2024

Location: 2, Bellevue Rd, Woburn – A large number of mixed age Nikau Palms are growing throughout the gardens of this property. This is #1 of 6 mature Nikau Palm trees identified for evaluation. It is located by the entrance to the main front door directly adjacent to Bellevue Rd. It is growing within a small garden bed as a solitary specimen.

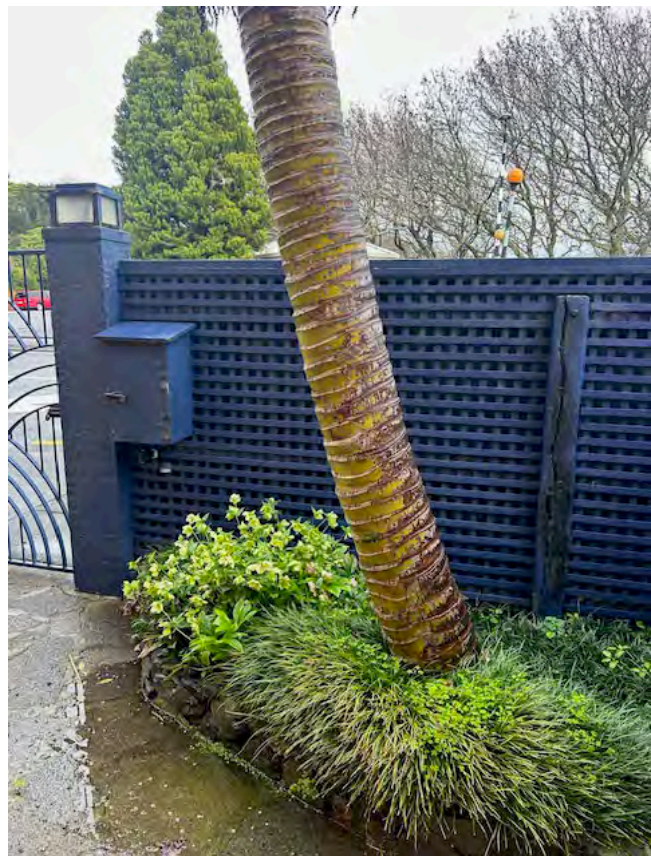
Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 120

Species: *Rhopalostylis sapida* - Nikau Palm

Native/Exotic: Native

Photographs:



Height –7.5m    Spread – 3,5m    Volume formulae – Cylinder

Background information / Site information/ General comments:

This is a mature specimen with an estimated age of around 80 yrs old based on the old leaf scars, height and trunk development.

The trunk has developed with a distinct lean of approx. 10° in a southerly direction. It displays good girth and taper. Near the base of the trunk a 1m long vertical splitting of the trunk is evident. It does not appear to be undermining the structural integrity of the trunk but could be a potential site for pathogens.

The fronds are very healthy showing good vigour and vitality. The developing bulbous crown shaft is healthy with good flowering providing a viable seed source.

This palm is readily visible to the passing public from both Bellevue and Woburn roads.

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>75</b>

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	3
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>45</b>

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 120**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 28<sup>th</sup> August 2024

Location: 2, Bellevue Rd, Woburn – A large number of mixed age Nikau Palms are growing throughout the gardens of this property. This is #2 of 6 mature Nikau Palm trees identified for evaluation. It is located in the northern garden boundary growing directly underneath the mature Pohutukawa tree on its eastern side.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 126

Species: *Rhopalostylis sapida* - Nikau Palm

Native/Exotic: Native

Photographs:



Height –8 m    Spread – 5m    Volume formulae – Cylinder

Background information / Site information/ General comments:

This is a mature specimen with a conservative estimated age of around 80 yrs. old but possibly over 100. It has 80 + leaf scars along the length of the trunk.

The trunk has a slender girth relative to other specimens in the surrounding garden but displays a healthy even cylindrical growth habit but with a slight lean to the east.

A large number of seedlings and juvenile palms are growing around its base.

The fronds are healthy and well developed but are being impacted by the encroaching and shading effect from the overhead canopy of the dominant neighbouring Pohutukawa tree. The crown shaft is healthy and viable with flowers in situ at its base.

The long term health and growth of this tree will be inhibited by the competing nature from the Pohutukawa tree. It is strongly advised that some judicious crown lifting of this tree is undertaken to create more light and space while maintaining its own health and balance.

The location and close proximity of the Pohutukawa trees renders this Nikau Palm obscured from easy public viewing

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>81</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	3
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>45</b>

#### Notable Evaluation

Recognition		Local	District	Regional	National	International	
Points		3	9	15	21	27	Score
Stature	Feature						
	Form						
Historic	Age 100+						
	Association						
	Commemoration						
	Remnant						
Scientific	Relict						
	Source						
	Endangered						
<b>Subtotal Points</b>							

**Total Points 126**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 28<sup>th</sup> August 2024

Location: 2, Bellevue Rd, Woburn – A large number of mixed age Nikau Palms are growing throughout the gardens of this property. This is #3 of 6 mature Nikau Palm trees identified for evaluation. It is located in the northern garden along the eastern boundary within a lineal grove of mixed age Nikau Palms. It is the central dominant tree and tallest specimen within this grouping.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 126

Species: *Rhopalostylis sapida* - Nikau Palm

Native/Exotic: Native

Photographs:



Height –8 m    Spread – 4m    Volume formulae – Cylinder

Background information / Site information/ General comments:

This is a mature specimen with an estimated age of around 60 yrs old. It has 27 leaf scars along the length of the trunk. The large uniform spacing between the trunk frond scars would indicate a very fast and vigorous growth rate.

The trunk has a wide girth and displays an even cylindrical growth habit along its whole length.

A large number of seedlings and juvenile palms are growing around its base but are not competing directly for space or light due to its dominant size within this small stand of Palms.

The fronds are healthy and upright in growth habit the bulbous crown of the tree is also healthy and vital with flowers growing at the base.



The tree is not readily viewed from the street.

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
<b>Subtotal Points</b>						<b>81</b>

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	3
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>45</b>

**Notable Evaluation**

Recognition		Local	District	Regional	National	International	
Points		3	9	15	21	27	Score
Stature	Feature						
	Form						
Historic	Age 100+						
	Association						
	Commemoration						
	Remnant						
Scientific	Relict						
	Source						
	Endangered						
<b>Subtotal Points</b>							

**Total Points 126**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 29<sup>th</sup> August 2024

Location: 2, Bellevue Rd, Woburn – A large number of mixed age Nikau Palms are growing throughout the gardens of this property. This is #4 of 6 mature Nikau Palm trees identified for evaluation. It is located on the eastern boundary of the widest part of the garden in a lineal group of five established Palm trees and several seedlings. It is one of two taller dominant trees in this group located nearest the centre.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 132

Species: *Rhopalostylis sapida* - Nikau Palm

Native/Exotic: Native

Photographs:



Height –8 m    Spread – 5m    Volume formulae – Cylinder

Background information / Site information/ General comments:

This is a mature specimen with an estimated age of around 70 yrs old. It has 60 leaf scars along the length of the trunk. The large uniform spacing between the trunk scars would indicate a very fast and vigorous growth rate.

The trunk is straight and has a wide girth which displays an even cylindrical growth habit.

The height of the tree has allowed it to develop above the canopy of the smaller adjacent palms and is being allowed to grow unimpeded.

The fronds are healthy and upright in growth habit the bulbous crown of the tree is well formed with flowers growing at the base.

The tree is not readily viewed from the street.

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
<b>Subtotal Points</b>						<b>87</b>

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	3
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>45</b>

**Notable Evaluation**

Recognition		Local	District	Regional	National	International	
Points		3	9	15	21	27	Score
Stature	Feature						
	Form						
Historic	Age 100+						
	Association						
	Commemoration						
	Remnant						
Scientific	Relict						
	Source						
	Endangered						
<b>Subtotal Points</b>							

**Total Points 132**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 29<sup>th</sup> August 2024

Location: 2, Bellevue Rd, Woburn – A large number of mixed age Nikau Palms are growing throughout the gardens of this property. This is #5 of 6 mature Nikau Palm trees identified for evaluation. It is located on the eastern boundary of the widest part of the garden in a lineal group of five established Palm trees and several seedlings. It is the tallest tree in the group located at the southern end abutting the concrete boundary wall.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 153

Species: *Rhopalostylis sapida* - Nikau Palm

Native/Exotic: Native

Photographs:



Height –9.5 m    Spread – 4m    Volume formulae – Cylinder

Background information / Site information/ General comments:

This is a dominant mature specimen, being the tallest tree on the property. It has been given an estimated age at 80+ yrs old. It has over 80 leaf scars along the length of the trunk. The spacing between the trunk scars are closer than some of the other resident palm trees and is likely to be the oldest specimen at this property.

Its growth form and health does not appear to have been negatively impacted by its close proximity to the concrete wall or restrictive rooting area within the paved hard surface surrounds.

The trunk is straight and has a wide girth which displays an even cylindrical growth habit. Two juvenile specimens are growing in close proximity to its base.

The height of the tree has allowed it to develop above the canopy of the smaller adjacent palms and is being allowed to grow unimpeded.

The fronds are healthy and upright in growth habit the bulbous crown of the tree is well formed with flowers growing at the base.

It is a specimen tree with very good form and overall health.

The tree is not easily viewed from the street.

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	27
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>99</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>51</b>

#### Notable Evaluation

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Score
Stature	Feature					
	Form	3				3
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Endangered					3
<b>Subtotal Points</b>						

**Total Points 153**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 29<sup>th</sup> August 2024

Location: 2, Bellevue Rd, Woburn – A large number of mixed age Nikau Palms are growing throughout the gardens of this property. This is #6 of 6 mature Nikau Palm trees identified for evaluation. It is located on the eastern boundary of the garden adjacent to the lower concrete wall in a row of three Nikau Palms. It is a mature tree and the dominant tree in this location.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 141

Species: *Rhopalostylis sapida* - Nikau Palm

Native/Exotic: Native

Photographs:



Height –7.5 m    Spread – 3.5m    Volume formulae – Cylinder

Background information / Site information/ General comments:

This is a large mature specimen, being the dominant Nikau tree in this vicinity of the garden. It has been given an estimated age of 70+ yrs old. It has over 70 leaf scars along the length of the trunk. Its growth form and health does not appear to have been negatively impacted by its close proximity to the concrete wall or restrictive rooting area within the paved hard surface surrounds.

The trunk is straight and has a wide girth which displays an even cylindrical growth habit.

The tree is not being impacted by surrounding vegetation and has developed with excellent form and very good vigour and vitality.

The fronds are healthy and upright in growth habit the bulbous crown of the tree is well formed with an abundance of flowers growing at the base.

The tree is not easily viewed from the street.

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	27
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
<b>Subtotal Points</b>						<b>93</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	3
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>45</b>

#### Notable Evaluation

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Score
Stature	Feature					
	Form	3				3
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Endangered					3
<b>Subtotal Points</b>						

**Total Points 141**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 16<sup>th</sup> February 2023

**Location:** 28, Charleston St, Boulcott. Tree is growing on the berm on the Kingston St side of property

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 141

**Species:** *Metrosideros excelsa* Pohutukawa

**Photographs:**



**Height –21m    Spread – 18m    Volume formulae – Hemisphere**

**Background information / Site information/ General comments:**

**A tall, mature specimen showing good form and balance. Its estimated age is around 100yrs old. The trunk is growing in the centre of a 4m wide berm.**

**It is a typical multi-stemmed specimen with several stems developing from the base of the tree. The growth development of the resulting canopy indicates that this tree may have been topped at 4-5m height in the past as this was a common practice pre-1980's. No obvious decay or structural weaknesses appears to have developed.**

**The canopy is healthy showing good vigour and density of foliage. The upper canopy is overhanging the neighbouring property on the northern aspect by 4m.**

**This is one of five Pohutukawa trees growing on the berms in Kingston St; all are of similar age and size.**



**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	15
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	21
<b>Function</b>	Minor	Useful	Important	Significant	Major	9
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						81

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	9
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						57

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					3
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						3

**Total Points 141**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 20<sup>th</sup> December 2022

Location: Doreen Doolan Mall, Petone. Tree is located in the South East corner adjacent to Library building.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 159

Species: *Ficus macrophylla* – Moreton Bay Fig or Australian Banyan tree.

#### Photographs:



Height – 14m    Spread – 26m    Volume formulae – Hemisphere

#### Background information / Site information/ General comments:

This is a mature large spreading tree showing the characteristic growth habits of this species with the extensive surface buttress roots and rooting matrix growing in the courtyard area. It has been aged at approx. 80 yrs old but historical data has yet to be investigated to confirm.

It provides a local landmark and identity dominating this location and providing a substantial shade tree. The spreading nature of the canopy overhangs the surrounding building roof lines and is likely to impact further as it continues to increase its dimensions in the future. It is a fast growing species with up to 1m canopy growth each year. The same issues are likely to be experienced with the widespread surface rooting system needed to support the canopy development. As the rooting system also continues to develop they can be expected to negatively impact on the surrounding infrastructure including buildings, paving and underground services.

At a height of 1m the large girth trunk divides into three main stems. The unions appear to be sound but some signs of included bark are apparent which can be indicative of structural weaknesses associated at these integral growth points of attachment. Given the high volume of weight each of the three limbs carry an ongoing assessment for their health and viability is highly recommended.

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>87</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score

<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	15
<b>Subtotal Points</b>						69

**Notable Evaluation**

<b>Recognition</b>		Local	District	Regional	National	International	
<b>Points</b>		3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>						3
	<b>Form</b>						
<b>Historic</b>	<b>Age 100+</b>						
	<b>Association</b>						
	<b>Commemoration</b>						
	<b>Remnant</b>						
	<b>Relict</b>						
<b>Scientific</b>	<b>Source</b>						
	<b>Endangered</b>						
<b>Subtotal Points</b>							3

**Total Points 159**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 14<sup>th</sup> September 2023

**Location:** 57, Durham Cres, Epuni - Tree is growing on the Council berm.

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 129

**Species:** *Metrosideros excelsa* Pohutukawa

**Photographs:**



**Height** –18m    **Spread** – 17m    **Volume formulae** – Hemisphere

**Background information / Site information/ General comments:**

A mature specimen, displaying an even spreading canopy with healthy dense foliage cover throughout its crown. Some characteristic minor deadwood is found within the inner canopy where the shading has occurred.

The presented form is good but branch structure at the terminal growth points on the main stems indicates that it may have been subject to severe topping in the past. There is no obvious decay at these union growth points  
The canopy has 4m encroachment overhanging the front lawn of the corner property.

The base of the trunk is growing within the narrow 1.5m wide berm and is abutting both sides. The lateral expansion of the trunk and roots are causing significant lifting of the adjacent footpath, kerb and road. From the base of the tree, four large main stems have developed with good spatial patterns and well-formed scaffold limbs.

## Condition Evaluation

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	15
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	9
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						75

## Amenity Evaluation

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	9
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						51

## Notable Evaluation

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					3
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						3

Total Points 129



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 14<sup>th</sup> October 2024

Location: 73, Eastern Hutt Rd, Grounds of Christ Church Taita. The tree is situated on the northern aspect in front of the historic church.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 132

Species: *Quercus robur* – English Oak.

Native/Exotic: Exotic

Photographs:



Height –16m Spread – 17m Volume formulae – Hemisphere

### Background information / Site information/ General comments:

This is a large mature specimen which provides the dominant tree canopies along with neighbouring ash that frame the church building when viewed from the street frontage.

The exact planting date has not been established. The tree cannot be seen in the 1958 aerial photos but in the next available aerial photo in 1969 it can be seen as an established juvenile tree. Its age is determined between 60-70 yrs old

It has developed with a large girth single main trunk. At a height of 2m two large lateral limbs are growing before the trunk develops into co-dominant stems at a height of 4m. The union between the two stems appears to be healthy with no obvious included bark being present.

The canopy growth is healthy with good density throughout the crown of the tree. The overall form is somewhat unbalanced caused by wind shear on the northern aspect and impact on the southern side where its canopy becomes intertwined with that of the neighbouring Ash tree.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	15
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	21
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
<b>Subtotal Points</b>						75

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						57

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 132**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 14<sup>th</sup> October 2024

Location: 73, Eastern Hutt Rd, Grounds of Christ Church Taita. The tree is situated on the southern aspect in front of the historic church.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 132

Species: *Fraxinus excelsior* – Ash / European Ash.

Native/Exotic: Exotic

Photographs:



Height –19m    Spread – 18m    Volume formulae – Hemisphere

### Background information / Site information/ General comments:

A large- spreading mature specimen tree. It is readily visible from the street frontage where along with the neighbouring Oak tree it provides the main canopy cover in the church grounds.

The exact planting date has not been established. The tree cannot be seen in the 1958 aerial photos but in the next available aerial photo in 1969 it can be seen as an established juvenile tree. Its age is determined between 60-70 yrs old similar to that of the neighbouring Oak.

It has developed with a large girth single main trunk. Four main stems have formed at 2m and 3 m from the base of the tree. They provide a spreading support for the scaffold limbs and smaller branches creating a wide spread and evenly balanced form.

The canopy growth is very healthy throughout the crown of the tree retaining its natural balance. The northern side is in competition with the neighbouring Oak tree but this has not had a significant impact on its development.



**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	15
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	21
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15

**Subtotal Points** 75

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9

**Subtotal Points** 57

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					

**Subtotal Points**

**Total Points 132**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 27<sup>th</sup> February 2023

Location: Reserve area located near Public Toilets on the corner of Jackson St/Fitzherbert St, Petone. This is #1 of 2 Pohutukawa; it is the southernmost specimen growing closest to Jackson St.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 138

Species: *Metrosideros excelsa* Pohutukawa

Photographs:



Height –11m    Spread – 18m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is mature specimen with a spreading canopy, showing reasonable form and balance. Its estimated age is between 80-100yrs old. Archives need to be researched to see if it is possible to accurately determine it age. This is one of two similar sized and aged trees in this locality providing shade trees for public seating and screening from buildings. The two trees are growing in close proximity to each other forming one common canopy when viewed from a distance.

The tree is growing in the centre of a grassed berm 3m away from paving. Three main stems have developed from the base of the tree. One of these stems has recently failed and been removed. The resulting stub can be seen in the photograph. Its removal has resulted in the loss of a third of the canopy and reduced the overall form and balance of the tree. The remaining two stems appear to be healthy and are not compromised by the loss of the adjacent stem.

The remaining canopy is healthy displaying good vigour, nodal development and density of foliage.

**Condition Evaluation**

Points	3	9	15	21	27	Score
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						69

**Amenity Evaluation**

Points	3	9	15	21	27	Score
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	21
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	15
<b>Subtotal Points</b>						69

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	Score
<b>Points</b>	3	9	15	21	27	
<b>Stature</b>						
<b>Feature</b>						
<b>Form</b>						
<b>Historic</b>						
<b>Age 100+</b>						
<b>Association</b>						
<b>Commemoration</b>						
<b>Remnant</b>						
<b>Relict</b>						
<b>Scientific</b>						
<b>Source</b>						
<b>Endangered</b>						
<b>Subtotal Points</b>						

**Total Points 138**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 27<sup>th</sup> February 2023

Location: Reserve area located near Public Toilets on the corner of Jackson St/Fitzherbert St, Petone. This is #2 of 2 Pohutukawa; it is the northern most specimen growing in a raised agapanthus bed.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 150

Species: *Metrosideros excelsa* Pohutukawa

Photographs:



Height –11m    Spread – 15m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is mature specimen it is a typical multi stemmed form, showing very good form and balance. Its estimated age is between 80- 100yrs old. Archives need to be researched to see if it is possible to accurately determine it age.

This is the smallest of the pair of close growing Pohutukawa trees. It provides shading, screening and softening effect in this location. The two trees are growing in close proximity to each other forming an overlapping common canopy.

The tree is growing in 3m wide bed 1m from the footpath with Agapanthus planted around its base. Five main stems have developed from the base of the tree. An even spread of scaffold limbs have developed from each stem creating a well - balanced and upright canopy form. The vigour and vitality of the canopy is very good producing a healthy specimen

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	15
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	21
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						81

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	21
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	15
<b>Subtotal Points</b>						69

**Notable Evaluation**

<b>Recognition</b>		Local	District	Regional	National	International	
<b>Points</b>		3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>						
	<b>Form</b>						
<b>Historic</b>	<b>Age 100+</b>						
	<b>Association</b>						
	<b>Commemoration</b>						
	<b>Remnant</b>						
	<b>Relict</b>						
<b>Scientific</b>	<b>Source</b>						
	<b>Endangered</b>						
<b>Subtotal Points</b>							

**Total Points 150**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 13<sup>th</sup> December 2022

**Location:** 20, Guthrie St, Waiwhetu.

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 120

**Species:** *Podocarpus totara* (Totara)

**Photographs:**



**Height – 14m    Spread – 14m    Volume formulae – Hemisphere**

**Background information / Site information/ General comments:**

**This is a very healthy multi stemmed specimen growing on the street frontage.**

**It has developed with several competing stems near the base of the trunk at 1m from the ground. This growth type is often found in Totara trees but is not the classic specimen form of a single trunk and rounded upper canopy. Its form is also impacted by the close proximity of the overhead 400v Power lines which require ongoing pruning regimes to maintain the legal required clearance distances ( see photo).**

**The other negative aspect of its growing location is that a third of the overall canopy growth on the western aspect overhangs into the neighbouring property by 5m. The owners of the adjacent property are legally allowed to prune any branches off this tree that overhang their property back to the boundary line. ( See photo)**

**Overall this is a healthy mature native tree that is readily visible to the passing public.**

## Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						75

## Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						45

## Notable Evaluation

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Endangered					
<b>Subtotal Points</b>						0

Total Points 120



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 20<sup>th</sup> December 2022

Location: The tree is growing adjacent to the main driveway entrance and on High street frontage.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 126

Species: *Fuscospora solandri* (*Nothofagus solandri*) – Black Beech or tawhairauriki

Photographs:



Height –18m    Spread – 15m    Volume formulae – Hemisphere

#### Background information / Site information/ General comments:

This native tree is estimated to be at least 80 yrs but may be over 100 yrs old based on the girth and height of tree. It is possible that it is a remnant tree rather than a planted specimen but not possible to accurately determine without records. Three main stems have developed at a height of 1m from the base of the trunk. Poor unions have formed at these growth points with included bark being evident which is indicative of structural weaknesses. The trees canopy has developed with an upright well balanced growth habit displaying healthy foliage cover. The tree is partially obscured from the road side viewing due to competing canopies of the nearby planted trees.

#### Condition Evaluation

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>75</b>



**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	9
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						51

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						0

**Total Points 126**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 30<sup>th</sup> August 2024

Location: 2, Jenness Grove, Harbour View. The tree is growing at the front of the property within a terraced garden area

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 108

Species: *Sophora microphylla*- Kowhai

Native/Exotic: Native

Photographs:



Height –10m    Spread –12m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is a mature specimen displaying good overall health, form and balance. It has grown unimpeded with no competing trees or vegetation nearby. It has an estimated age of around 60 years old based on the girth of the trunk and overall dimensions.

It has developed with three main stems from near the base of the tree. The union between two of the stems has developed with a tight fork where included bark is developing. There is likely to be an associated weakness at this growth point with an increased risk of splitting apart as their girth continues to increase.

The stems have all grown with upright growth forms and have developed with good spatial distances between themselves.

A well balanced and spreading rounded canopy has formed. The nodal growth, flowers and regenerating foliage all show good vigour and vitality.

The tree is growing off a side street and is not readily visible to the general public.

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
<b>Subtotal Points</b>						<b>63</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>45</b>

#### Notable Evaluation

Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 108**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 14<sup>th</sup> September 2024

**Location:** Council street tree- growing in centre of berm outside 2, Kauri St, Woburn

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 126

**Species:** *Agathis australis* - Kauri

**Native/Exotic:** Native

**Photographs:**



**Height – 15.5m Spread – 6.5m Volume formulae – Conical**

**Background information / Site information/ General comments:**

This is a semi mature tree planted in 1948- based on it being a 4/5 year old transplant at the time of planting it is aged around 80 years old. It is one of five Kauri trees planted in the berms along Kauri St. This is by far the best specimen. It is not impacted by overhead service lines or any competing trees.

It has developed with a single trunk displaying good girth and taper. It is growing within a 5m wide berm with no obvious rooting impact on the footpath, kerbing or Roding surfaces.

The canopy is very healthy with dense foliage found throughout the crown of the tree. The main leader growth has been lost at a height of 4m from its apex where competing apical shoots have formed. The typical conical shape will be lost as these competing leaders develop and a rounded canopy form is likely to be created. An associated weakness at the unions of these limbs is also likely to be formed reducing the trees long term vitality.

### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yrs.)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>81</b>

### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>45</b>

### Notable Evaluation

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 126**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 2<sup>nd</sup> August 2024

Location: Hutt Intermediate School. Front lawn area on the corner of Kauri St & Wilford St, Woburn.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 150

Species: *Metrosideros robusta* – Northern Rata

Native/Exotic: Native

Photographs:



Height –13m    Spread – 14m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is a mature specimen tree growing at the front of the school in the expansive lawn area. HCC aerial photographs from 1941 show an established tree growing in this location. It is unlikely to be a remnant specimen but probably planted in the late 1920's with an estimated age of around 100 yrs old.

It has developed with a multi-stemmed trunk from the base of the tree typical of the growth forms seen in Pohutukawa trees. The five main stems are all well formed with large girths showing good spatial development to create a well-rounded and balanced canopy.

The canopy is very healthy with good vigour and density of foliage found throughout the crown of this tree. A large Norfolk Island Pine tree is growing 10m to the south with their canopies starting to grow into each other. This isn't having a major impact at present but future growth is likely to have an adverse growth effect on the form of this Rata tree.



At present the tree exhibits very good form and balance. The tree is not impacted from the presence of overhead power lines located on both Kauri and Wilford Streets.

#### Condition Evaluation

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	21
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	21
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						99

#### Amenity Evaluation

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						51

#### Notable Evaluation

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					3
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						3

**Total Points 150**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 17<sup>th</sup> February 2023

Location: Leonard Wood Park, Wainuiomata. This is the central dominant tree in a row of three Pines and a Macrocarpa tree growing as a small plantation near the centre of the grassed fields.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 108

Species: *Pinus radiata* - Monterey Pine/ insignis Pine

Photographs:



Height –31m    Spread – 22m    Volume formulae – Conical

Background information / Site information/ General comments:

This is the dominant tree with two suppressed pines growing on either side. It is a tall tree with a clear single main trunk to a height of 22m where the first lateral limbs and resulting canopy develop.

The main canopy has developed unimpeded above the surrounding trees creating a rounded - growth form. The normal conical form associated with this species has been lost. It has an estimated age of between 80 -100 yrs. old

It is a healthy specimen, with the canopy growth showing good vigour. Its ongoing health and stability is likely to be compromised if any of the surrounding trees are lost or removed due to the mutual protection they provide each other in this exposed location.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	3
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	9
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						57

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	27
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	9
<b>Role</b>	Minor	Moderate	Important	Significant	Major	9
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	3
<b>Subtotal Points</b>						51

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 108**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 15<sup>th</sup> September 2024

Location: Council Park tree. Ludlam Park, tree is growing on the corner of Puriri St & Manuka Ave within the triangular reserve area. This is the best specimen of the four Puriri trees found growing in Ludlam Park.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 120

Species: *Vitex lucens* - Puriri

Native/Exotic: *Native*

Photographs:



Height – 15m    Spread – 18m    Volume formulae – hemisphere

Background information / Site information/ General comments:

This is a mature tree probably planted in 1933 at the same time as the Puriri street tree planting along the adjoining Puriri St making it around 95 years old.

It is one of four Puriri trees found growing in this vicinity of Ludlam Park, it is a stand-alone specimen not being impacted by surrounding trees or overhead service lines.

It has developed with a large girth (2m) single trunk to a height of 1m where it has formed two large lateral limbs and two main upright stems.

The canopy is very healthy with a good density of foliage and vigour. The form of the tree is rounded but has a somewhat asymmetrical appearance due to the lateral growth on the Puriri St side.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						75

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	9
<b>Role</b>	Minor	Moderate	Important	Significant	Major	9
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						45

**Notable Evaluation**

<b>Recognition</b>		Local	District	Regional	National	International	
<b>Points</b>		3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>						
	<b>Form</b>						
<b>Historic</b>	<b>Age 100+</b>						
	<b>Association</b>						
	<b>Commemoration</b>						
	<b>Remnant</b>						
<b>Scientific</b>	<b>Relict</b>						
	<b>Source</b>						
	<b>Endangered</b>						
<b>Subtotal Points</b>							

**Total Points 120**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 15<sup>th</sup> September 2024

Location: Council Park tree. Ludlam Park. This is one of fifteen Pohutukawa trees growing within the Park area. It is located within the triangulated reserve formed by Manuka Ave, Massey Ave and Ludlam Cres, the tree is growing in the central location. An established Cabbage tree is growing on its northern aspect.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 138

Species: *Metrosideros excelsa* - Pohutukawa

Native/Exotic: *Native*

Photographs:



Height – 21m    Spread – 23m    Volume formulae – hemisphere

Background information / Site information/ General comments:

This is a mature tree probably planted in 1933 at the same time as the other street tree planting within this Woburn area, making it around 95 years old. Pohutukawa trees are the predominant species growing in Woburn.

This is the best specimen of 15 Pohutukawa trees found growing in Ludlam Park, it is a stand-alone specimen with minimal impacted from surrounding trees. There are no overhead service lines and no significant pruning work has ever been undertaken.

It is a multi-stemmed specimen with an exceptional 3m wide girth at the buttress area. Sixteen main stems have formed at the base, they are all well-formed and evenly spread out with no indications of any weak unions or structural issues.

It displays a well-balanced rounded canopy and very good overall form. The foliage cover is dense and healthy with excellent vigour and vitality.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	21
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	3
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	27
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>87</b>

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	9
<b>Role</b>	Minor	Moderate	Important	Significant	Major	9
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>51</b>

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 138**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 16<sup>th</sup> September 2024

**Location:** Council Park tree. Ludlam Park. This is one of four Totara trees growing within the Park area, the best two trees have been assessed this is #1 of 2. It is located within the northern triangulated reserve area formed by Manuka Ave, Puriri St and Massey Ave. The tree is growing on the inside of the triangle location between a Lemonwood tree and a Kapuka tree.

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 120

**Species:** *Podocarpus totara* – Totara

**Native/Exotic:** *Native*

**Photographs:**



**Height – 16m    Spread – 18m    Volume formulae – hemisphere**

**Background information / Site information/ General comments:**

This is a mature tree probably planted in 1933 at the same time as the other street tree planting within this Woburn area, making it around 95 years old.

This is a multi-stemmed form with four main stems having developed near the base of the tree. The unions between the stems appear to be sound with no included bark or indications of any structural defects at these growth points. The four stems have all developed with upright growth habits showing large girths and well developed tapering. Some old wound sites are evident near the base of the tree where limbs have been removed in the past. No evidence of any significant decay was found.



The canopy growth is healthy; it is being slightly impacted in its lateral development from the competing nature of the trees growing either side of it. Overall the tree displays a reasonable form.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						75

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	9
<b>Role</b>	Minor	Moderate	Important	Significant	Major	9
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						45

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 120**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 16<sup>th</sup> September 2024

Location: Council Park tree. Ludlam Park. This is one of four Totara trees growing within the Park area, the best two trees have been assessed this is #2 of 2. It is located within the northern triangulated reserve area formed by Manuka Ave, Puriri St and Massey Ave. The tree is growing 15m to the West from Totara tree #1.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 120

Species: *Podocarpus totara* – Totara

Native/Exotic: *Native*

Photographs:



Height – 16m    Spread – 15m    Volume formulae – hemisphere

Background information / Site information/ General comments:

This is a mature tree probably planted in 1933 at the same time as the other street tree planting within this Woburn area, making it around 95 years old.

The main trunk has divided into five main stems at a height of 1m from the trees base. Tight unions have formed between the five upright growing main stems. The unions between the stems appear to be sound with no included bark or indications of any structural defects at these growth points.

The canopy is healthy and reasonably balanced but does show greater growth development on the northern aspect due to the competing nature of close growing adjacent trees on its southern side.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						75

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	9
<b>Role</b>	Minor	Moderate	Important	Significant	Major	9
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						45

**Notable Evaluation**

<b>Recognition</b>		Local	District	Regional	National	International	
<b>Points</b>		3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>						
	<b>Form</b>						
<b>Historic</b>	<b>Age 100+</b>						
	<b>Association</b>						
	<b>Commemoration</b>						
	<b>Remnant</b>						
	<b>Relict</b>						
<b>Scientific</b>	<b>Source</b>						
	<b>Endangered</b>						
<b>Subtotal Points</b>							

**Total Points 120**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 1<sup>st</sup> August 2024

Location: 48 Ludlam Cres, Woburn – A mature Nikau located at front of section directly adjacent to footpath. It is growing next to garage and boundary fence. A smaller semi mature palm and several seedling plants are growing within this confined growing area.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 132

Species: *Rhopalostylis sapida* - Nikau Palm

Native/Exotic: Native

Photographs:



Height –9m    Spread – 4m    Volume formulae – Cylinder

Background information / Site information/ General comments:

This is a mature specimen with an estimated age of around 80 yrs old based on the old leaf scars and height. It is growing in close unison with a smaller semi mature Nikau Palm and several seedling plants. Because of the difference in canopy heights they do not adversely impact on each other's canopy/frond development but may do so in the future.

It has developed with a straight and well girthed trunk showing good taper. The fronds are very healthy showing good vigour and vitality

The trees are growing in an exposed visible location next to a busy urban road

## Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>81</b>

## Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>51</b>

## Notable Evaluation

Recognition		Local	District	Regional	National	International	
Points		3	9	15	21	27	Score
Stature	Feature						
	Form						
Historic	Age 100+						
	Association						
	Commemoration						
	Remnant						
	Relict						
Scientific	Source						
	Endangered						
<b>Subtotal Points</b>							

Total Points 132



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 15<sup>th</sup> February 2023

Location: Mitchell Park (Lucy Cole Rose Garden), Epuni – Located near corner of Mitchell St / Witako St intersection.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 141

Species: *Ulmus procera* 'Louis van Houtte'; Golden Elm

Photographs:



Height – 8m    Spread – 27m    Volume formulae – Hemisphere

**Background information / Site information/ General comments:**

This is a mature specimen tree with an estimated age of around 80 years old. It has developed with an atypical form due to the multi stemmed development of 8 main stems that have formed from near the base of the trees trunk. The competing nature of the stems has created an extensive spreading canopy that is symmetrical and balanced. The canopy foliage is very healthy showing good vigour and density throughout. The tree provides a focal point in the garden and is seen as a local feature of this park.

Some decay is evident on two of the stems where old pruning wounds have been made. ( see photo)

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						75

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	27
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						63

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					3
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Endangered					
<b>Subtotal Points</b>						3

**Total Points 141**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 21<sup>st</sup> February 2023

Location: 21, Moores Valley Rd, Wainuiomata. One of two Totara tree growing near the Western boundary fence adjacent to #19 and driveway to Pakura place. This is the dominant tree of the two growing on the Southern side closest to the road.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 156

Species: *Podocarpus totara* - Totara

Photographs:



Height – 18m    Spread – 16m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is a mature multi stemmed specimen tree forming the dominant tree of a pair growing in close proximity. The multi stemmed growth form has seven main stems that have developed from the base of the tree and at 1m height. Some decay is evident near the buttress locality where a 35cm diameter stem has been removed in the past.

Overall it is a healthy tree with a reasonable balanced canopy displaying very good vigour and vitality. The recent housing development in this area is unlikely to have had a significant impact on its rooting system given the distance away from the driveway construction which is outside of the dripline.

Given the dimensions of the tree it is determined at being well over 100 yrs. old and a remnant specimen tree of this area.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	15
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	21
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						93

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						57

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					3
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					3
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						6

**Total Points 156**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 21<sup>st</sup> February 2023

Location: 21, Moores Valley Rd, Wainuiomata. The smallest by volume of the two Totara tree growing near the Western boundary fence adjacent to #19 and driveway to Pakura place. This is the suppressed tree of the two growing on the Northern side.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 156

Species: *Podocarpus totara* - Totara

Photographs:



Height – 18m    Spread – 14m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is a mature multi stemmed specimen tree, its overall form is suppressed by the dominant canopies of the adjacent Totara tree, and by the neighbouring pōkākā tree to the north. It has developed with four main stems with their unions forming at 1.5m from the base of the tree.

It displays a one sided canopy growth being sandwiched between two trees of similar height. The main canopy has developed from the lateral branch development where space allows to the east and west. The canopy is healthy with good foliage cover and nodal growth.

It is highly likely be the same vintage as the neighbouring Totara tree, also being well over 100 yrs. old and a remnant tree of this area.



Given the dimensions of the tree it is determined at

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	3
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						<b>75</b>

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>57</b>

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					3
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					3
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						<b>6</b>

**Total Points 138**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 14<sup>th</sup> February 2023

Location: : 21, Moores Valley Rd, Wainuiomata. Growing on the northern side of the two Totara trees obscured from vision when viewed from the road

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 150

Species: *Elaeocarpus hookerianus* pōkākā

### Photographs:



Height – 18m    Spread – 9m    Volume formulae – Hemisphere

### Background information / Site information/ General comments:

A mature twin stemmed specimen that has grown in close proximity to the two adjacent Totara trees. As a result of the neighbouring dominant canopies the tree had developed with an etiolated growth form. The two straight trunks are similar in size with clear straight growth that appear to have developed from a common buttress but may well be two separate trees with independent rooting systems.

The overall form of the tree is classed as poor, with a misshapen unbalanced canopy. A large dead limb is still attached to the tree on the northern aspect. A broken decaying stub is also evident where a large limb has broken out.

The canopy is reasonably healthy with a good vigour and density of foliage found throughout the mid and upper crown.

It is estimated to be well over 100 yrs old and may well be the same age as that of the Totara trees being a remnant from the original bush setting before urbanisation.

A number of suckering English Elm trees are growing around the base of the tree and are competing with the tree. As they increase in size they are likely to have a detrimental impact on the trees future health and vitality. They should be identified for removal to help preserve this specimen.

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						<b>81</b>

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	21
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>63</b>

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					3
	Association					
	Commemoration					
	Remnant					3
Scientific	Relict					
	Source					
	Endangered					
<b>Subtotal Points</b>						<b>6</b>

**Total Points 150**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 8<sup>th</sup> December 2015

**Location:** 19, Nikau St, Eastbourne – one of five trees at rear of property. This is the Western most tree closest to the stairway.

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 144

**Species:** *Rhopalostylis sapida* - Nikau Palm

**Photographs:**



**Height – 9m    Spread – 7m    Volume formulae – Hemisphere**

### **Background information / Site information/ General comments:**

This is one of the taller specimens in this group of five being separated from the other four by a paving stone pathway with the stem abutting the wooden stairway. This is a mature specimen, it has a straight trunk development with a healthy frond and canopy development. There are around 180 leaf scars present on the main stem. This is indicative that the tree is around 100 yrs old and likely to be remnant growth that has survived this location.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	15
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	21
<b>Function</b>	Minor	Useful	Important	Significant	Major	9
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27

**Subtotal Points** 87

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group 3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9

**Subtotal Points** 51

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					3
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					3
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					

**Subtotal Points** 6

**Total Points** 144



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 8<sup>th</sup> December 2015

**Location:** 19, Nikau St, Eastbourne – two of five trees at rear of property. Tree is located 1m to the east of the western most tree by stairs.

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 123

**Species:** *Rhopalostylis sapida* - Nikau Palm

**Photographs:**



**Height – 8m    Spread – 7m    Volume formulae – Hemisphere**

### **Background information / Site information/ General comments:**

This tree is growing in close proximity to the other four stems it has a slight lean on the main trunk in the direction of the house. The apical frond growth is impacted by the close proximity of the other trees particularly from the dominant tree to the west. There are 85 leaf scars present on the main stem with large spacings between each scar. This is indicative that it is a relatively young tree that has had reasonably fast growth rates with an estimated age of around 80 years old and possibly a seed from the nearby older specimen.

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>75</b>

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	3
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>45</b>

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					3
	Relict					
Scientific	Source					
	Endangered					
<b>Subtotal Points</b>						<b>3</b>

**Total Points 123**





## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 8<sup>th</sup> December 2015

**Location:** 19, Nikau St, Eastbourne – Three of five trees at rear of property. This is the tallest tree located closest to the house.

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 150

**Species:** *Rhopalostylis sapida* - Nikau Palm

**Photographs:**



**Height – 10m    Spread – 6m    Volume formulae – Hemisphere**

### **Background information / Site information/ General comments:**

This is the tallest specimen in this group of five. It has a straight upright stem with good frond development which is minimally impacted by the adjacent trees being the dominant tree in this group.

There are over 200 leaf scars present on the main stem with an estimated age of well over 100 yrs old and is possibly the original parent tree in this grouping.

**Condition Evaluation**

Points	3	9	15	21	27	Score
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	21
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	21
<b>Function</b>	Minor	Useful	Important	Significant	Major	9
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27

**Subtotal Points** 93

**Amenity Evaluation**

Points	3	9	15	21	27	Score
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group 3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9

**Subtotal Points** 51

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					3
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					3
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					

**Subtotal Points** 6

**Total Points** 150





## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 8<sup>th</sup> December 2015

**Location:** 19, Nikau St, Eastbourne – four of five trees at rear of property. This is the smallest tree found on the northern side of the grouping..

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 114

**Species:** *Rhopalostylis sapida* - Nikau Palm

**Photographs:**



**Height – 6m    Spread – 7m    Volume formulae – Hemisphere**

#### **Background information / Site information/ General comments:**

This is the smallest specimen in this group of five. It is a younger specimen having developed with a prominent lean in the trunk away from the adjacent trees.

There are 62 leaf scars present on the main trunk with large gaps between each scar tissue. It is highly likely to be a seedling growth from the main parent tree/s. It has good spatial areas to develop into without compromising the development of the apical growth. It is estimated to be around 60 years old.

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
<b>Subtotal Points</b>						69

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	3
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						45

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 114**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 8<sup>th</sup> December 2015

**Location:** 19, Nikau St, Eastbourne – five of five trees at rear of property. This is the northern most tree with an accentuated lean of its main trunk.

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 114

**Species:** *Rhopalostylis sapida* - Nikau Palm

**Photographs:**



**Height – 9m    Spread – 7m    Volume formulae – Hemisphere**

### **Background information / Site information/ General comments:**

This is a tall specimen displaying a significant lean of the main trunk in a easterly direction. The canopy of the tree is well developed and healthy.

There are around 100 leaf scars present on the main trunk with relatively large gaps between each scar tissue. Estimated age around 80 years old.

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						69

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						45

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 114**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 1<sup>st</sup> July 2024

**Location:** 1, North St, Petone. Tree is growing on council berm land at the front of property.

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 150

**Species:** *Metrosideros excelsa* - Pohutukawa

**Native/Exotic:** Native

**Photographs:**



**Height –15m    Spread – 24m    Volume formulae – Hemisphere**

**Background information / Site information/ General comments:**

**This is a mature specimen tree growing within the formed berm near the driveway entrance to the residential property. Approximately 20% of its canopy encroaches beyond the boundary fence.**

**This is an old mature street tree planted in 1928 making it at least 96 years old at the time of assessment and possibly 100 years old based on its age as a 3-4 year old sapling.**

**It has developed with a characteristic multi-stemmed trunk at the base of the tree forming five large stems. Four of the stems have upright growth habit with one stem having a 30° lean towards the road. They are all well formed with large girths and showing good spatial development to create a well-rounded and balanced canopy.**

**The canopy is very healthy with good vigour and density of foliage found throughout the crown of this tree.**

**This is an excellent example of a specimen tree that has preserved its natural growth habit and form. Minimal remedial pruning work has ever been undertaken on this specimen.**

It is not impacted by overhead power lines. The surrounding hard structures including footpath, kerb, driveway crossing and road are likely to be impacted as the rooting matrix and buttress roots continue to increase in girth. Damage to surrounding infrastructure can be expected to require ongoing maintenance throughout the life of the tree.

#### Condition Evaluation

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	21
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	3
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	27
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						87

#### Amenity Evaluation

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						63

#### Notable Evaluation

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 150**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 3rd July 2024

**Location:** 11, Partridge St, Taita. tree is growing on council berm at front of property.

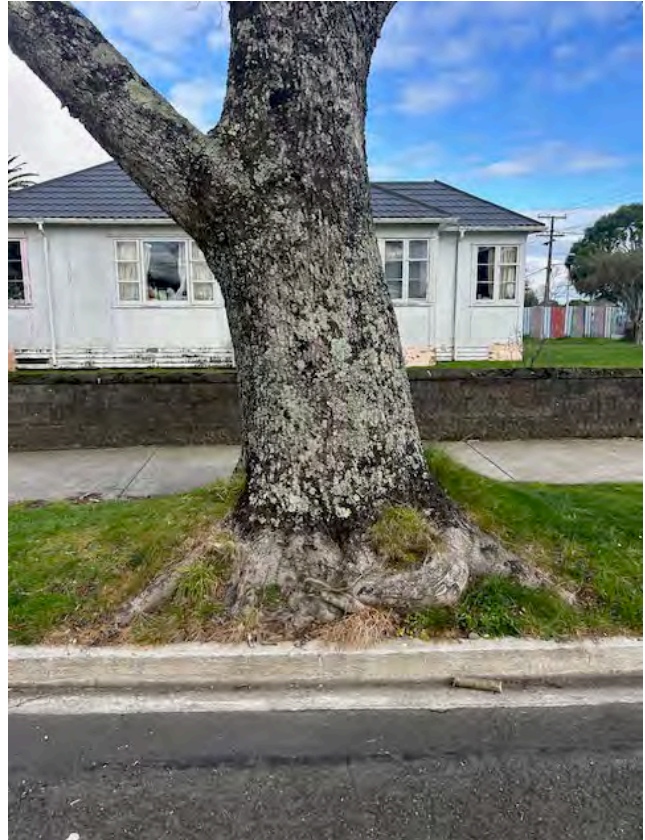
**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 126

**Species:** *Fraxinus excelsior* – Ash / European Ash

**Native/Exotic:** Exotic

**Photographs:**



**Height –19m    Spread – 15m    Volume formulae – Hemisphere**

**Background information / Site information/ General comments:**

This is a mature specimen growing in the berm. It was planted in 1953, making it at least 71 years old at time of inspection. It has a very good form and balance with four main stems providing the framework for the large rounded canopy.

It is structurally well developed with healthy branches, no significant pruning work has been undertaken on this tree in the past. Power lines are on the opposite side of the street but do not impact on the canopy of the tree.

The canopy and nodal growth is very healthy with no evidence of any health issues.

The 2m wide berm just about accommodates the spread of the buttress but surrounding hard structures including footpath, kerb and road are being adversely impacted from the trees expanding rooting system, requiring ongoing maintenance to address the lifting issues.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	21
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	21
<b>Function</b>	Minor	Useful	Important	Significant	Major	9
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
<b>Subtotal Points</b>						75

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	9
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						51

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 126**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 3rd July 2024

**Location:** Opposite 12, Partridge St/ cnr Molesworth St, Taita. Tree is growing on the Western side of the long council berm on Partridge St, adjacent to the property at 98, Molesworth St. This is #2 of 2 mature Sweet gum trees growing on this berm.

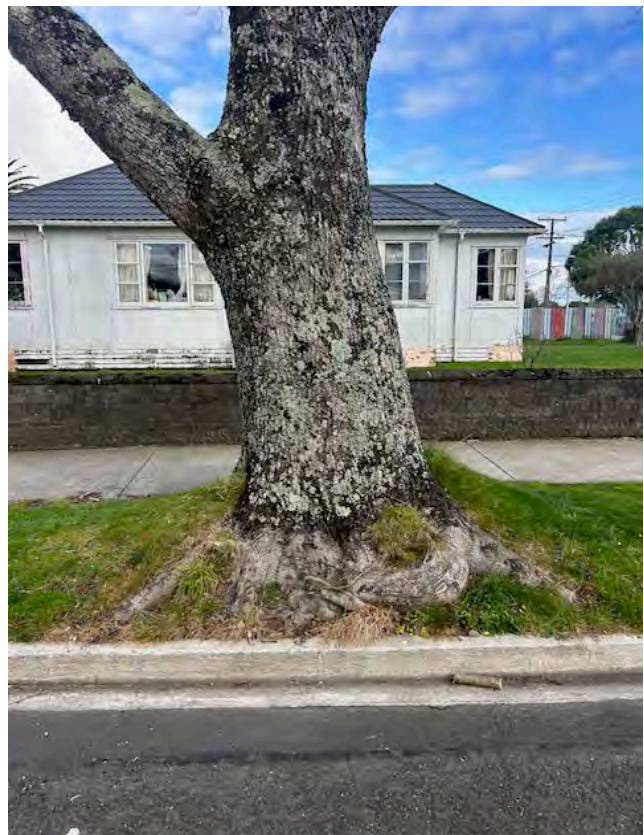
**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 126

**Species:** *Liquidambar styraciflua* – American sweet gum.

**Native/Exotic:** Exotic

**Photographs:**



**Height –21m    Spread – 16m    Volume formulae – Hemisphere**

**Background information / Site information/ General comments:**

This is a mature specimen growing in the berm. It was planted in 1953, at the same time as the other mature trees in this street making it at least 71 years old at time of assessment. Past pruning has been undertaken to remove lower limbs overhanging the adjacent property, this has not had a significant impact on the health or overall form of this specimen

A single straight trunk had developed with several stems then forming from the trunk at a height of 3m from the base of the tree. The scaffold and lateral limb development is good, providing a well formed and balanced tree.

The canopy has developed with a rounded growth habit; the branches and nodal growth are healthy with signs of good vigour and vitality. Power lines are located on the opposite side of the street but do not impact on the canopy of the tree.



The tree is growing within a 2m wide grass berm. The buttress roots and base of this tree take up the full width of the berm. The surrounding hard structures including footpath, kerb and road are being adversely impacted from the trees expanding rooting system. This damage to surrounding infrastructure can be expected to require ongoing maintenance throughout the life of the tree.

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
<b>Subtotal Points</b>						<b>69</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>57</b>

#### Notable Evaluation

Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
Scientific	Remnant					
	Relict					
	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 126**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 17<sup>th</sup> September 2024

Location: Council Street Tree. 24 Penrose St – the tree is growing within the narrow berm on the Totara Cres street frontage of this property.

This is #1 of 4 Totara trees that have been selected for assessment from the 82 street trees growing along the length of Totara Cres. The selection criteria used to help identify the best trees in the street for a STEM assessment is based on the following.

1. Not growing under power or service lines.
2. Not adversely impacted by competition from adjacent trees and vegetation
3. Have not had any significant tree work undertaken that impacts on their natural form or health.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 132

Species: *Podocarpus totara* – Totara

Native/Exotic: *Native*

Photographs:



Height – 15m    Spread – 15m    Volume formulae – hemisphere

Background information / Site information/ General comments:

This is a mature street tree planted in 1933 making it around 95 years old at the time of assessment.

A single main trunk and its buttress are well formed and display a good girth. The trunk is directly abutting the concrete pavement.

The trunk divides into 14 main stems at a height of 1m from the ground. The stems have upright growth habits are well formed and evenly spaced out.

The unions between the stems appear to be sound with no included bark or indications of any structural defects at these growth points.

The canopy growth is dense and healthy it has developed a well-balanced and rounded form.

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yrs.)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>81</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>51</b>

#### Notable Evaluation

Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 132**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 6<sup>th</sup> October 2024

Location: 48, Penrose St. Woburn. Tree is located in garden area on the northern side of residential house.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 120

Species: *Podocarpus totara* – Totara

Native/Exotic: *Native*

Photographs:



Height – 15m Spread – 12m Volume formulae – hemisphere

Background information / Site information/ General comments:

This is a mature tree, its age is determined to be between 90 -100 yrs. old based on historic aerial photos from 1941 showing an established tree growing in the same location.

It has a well-developed single main trunk that divides into three main stems at a height of 4m from the trees base. The unions between the stems appear to be sound with no included bark or indications of any structural defects at these growth points. They have all grown with upright growth habits creating a well formed canopy development.

The crown of the tree has been restricted in its growth on the eastern aspect by the close growing proximity of the competing Pohutukawa tree on this side. Overall the canopy is healthy displaying reasonable form and balance especially when viewed from the house and street frontage locations.

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yrs.)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>69</b>

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>51</b>

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 120**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 6<sup>th</sup> October 2024

Location: 48, Penrose St. Woburn. Tree is located in garden area on the Eastern side of residential house.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 132

Species: *Metrosideros robusta* – Northern Rata

Native/Exotic: Native

Photographs:



Height –18m Spread – 13m Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is a mature specimen tree growing at the rear of the property. HCC aerial photographs from 1941 show an established tree growing in this location. It is unlikely to be a remnant specimen but probably planted in the late 1930's with an estimated age of between 90-100 yrs old.

It has developed with a multi-stemmed trunk from near the base of the tree, Two of these stems have large girths and support the main canopy development while the third stem is smaller with a suppressed growth form. The stems combine to create an upright growth habit.

The canopy growth is healthy with good foliage cover, it has developed mainly on the northern and western aspects towards the sun. When viewed from the property grounds it is well balanced but in close up view it has a one sided growth development.

The canopy is very healthy with good vigour and density of foliage found throughout the crown of this tree. A large Norfolk Island Pine tree is growing 10m to the south with their canopies starting to grow into each other. This isn't having a major impact at present but future growth is likely to have an adverse growth effect on the form of this Rata tree.

At present the tree exhibits very good form and balance. The tree is not impacted from the presence of overhead power lines located on both Kauri and Wilford Streets.

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>75</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>57</b>

#### Notable Evaluation

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
Scientific	Remnant					
	Relict					
	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 132**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 13<sup>th</sup> February 2023

Location: 57, Penrose St, Woburn. Tree is growing on northern side of driveway near entrance with Penrose St

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 129

Species: *Metrosideros excelsa* Pohutukawa

Photographs:



Height –18m    Spread – 19m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

A large mature specimen with a spreading canopy, showing good form and balance. Its estimated age is around 100yrs old.

The trunk is growing directly adjacent to a paved driveway and is pushing against the boundary fence.

From the base of the tree, three main trunks have developed along with two smaller stems. Some decay is apparent near the base from old pruning wounds where limbs have been removed over the driveway location.

The canopy is healthy showing good vigour and density of foliage. Approximately 40% of the canopy is encroaching the neighbouring property on the northern aspect.

On the road side of the tree 400v Power lines run parallel but are situated below the canopy. The lines are not impacted by the tree or likely to be in the future.

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						<b>75</b>

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>51</b>

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					3
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Endangered					
<b>Subtotal Points</b>						<b>3</b>

**Total Points 129**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 7<sup>th</sup> October 2024

Location: 66, Penrose St. Woburn. This Totara tree is #1 of two located on the southern side of the shared driveway, It is the tree closest to the entrance way.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 126

Species: *Podocarpus totara* – Totara

Native/Exotic: *Native*

Photographs:



Height – 17m    Spread – 12m    Volume formulae – hemisphere

Background information / Site information/ General comments:

This is a mature tree, its age is determined to be between 90 -100 yrs. old based on historic aerial photos from 1941 showing established trees growing along this driveway location. It is not possible to clearly identify individual trees from the photo. The girth and overall stature of the tree are also indicative of a tree of this age. Although likely to have been planted as an avenue driveway tree it is also possible that this is a remnant specimen.

It has a large well-developed single main trunk that abuts both the fence-line and asphalt driveway. Some lifting of the asphalt is apparent from rooting expansion. The trunk divides into two main stems at a height of 2m from the trees base creating a co-dominant form. They have grown together with a tight fork union between the stems with some signs of included bark being present. This can be indicative of a potential structural defect although it appears to be sound at present with no stress fractures or splitting apparent.

The crown of the tree has developed with an upright growth habit. The canopy growth provides good foliage cover and density throughout the crown of the tree and displays reasonable form and balance.



**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	9
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						69

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						57

**Notable Evaluation**

<b>Recognition</b>		Local	District	Regional	National	International	
<b>Points</b>		3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>						
	<b>Form</b>						
<b>Historic</b>	<b>Age 100+</b>						
	<b>Association</b>						
	<b>Commemoration</b>						
	<b>Remnant</b>						
	<b>Relict</b>						
<b>Scientific</b>	<b>Source</b>						
	<b>Endangered</b>						
<b>Subtotal Points</b>							

**Total Points 126**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 7<sup>th</sup> October 2024

Location: 66, Penrose St. Woburn. This tree is #2 of two Totara located on the southern side of the shared driveway, it is the tree closest to the house side.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 144

Species: *Podocarpus totara* – Totara

Native/Exotic: *Native*

Photographs:



Height – 15m    Spread – 11m    Volume formulae – hemisphere

Background information / Site information/ General comments:

This is a mature tree, its age is determined to be between 90 -100 yrs. old based on historic aerial photos from 1941 showing established trees growing along this driveway location. It is not possible to clearly identify individual trees from the photo. The girth and overall stature of the tree are also indicative of a tree of this age. Although likely to have been planted as an avenue driveway tree it is also possible that this is a remnant specimen.

It has a large well-developed single main trunk displaying good girth and taper to a height of 4m where it divides into three main stems at a height of 5m from the ground. The stems develop independent of each other with good spatial growth patterns providing the framework for a healthy and well balanced canopy.

The crown growth provides good foliage cover and density throughout the crown of the tree. Its growth is retarded somewhat in its lateral expansion to the east and west due to the close proximity of the neighbouring Puriri tree and Rimu tree growing either side.

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	15
Age (yrs.)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>87</b>

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>57</b>

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 144**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 7<sup>th</sup> October 2024

Location: 66, Penrose St. Woburn. This Rimu tree is located on the southern side of the shared driveway near the end of the fence-line where the main avenue of trees finish.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 108

Species: *Dacrydium cupressinum* - Rimu

Native/Exotic: *Native*

Photographs:



Height – 14m    Spread – 9m    Volume formulae – hemisphere

Background information / Site information/ General comments:

This is a mature tree, its age is determined to be between 90 -100 yrs. old based on historic aerial photos from 1941 showing established trees growing along this driveway location. It is not possible to clearly identify individual trees from the photo. The girth and overall stature of the tree are also indicative of a tree of this age. Although likely to have been planted as an avenue driveway tree it is also possible that this is a remnant specimen.

A single main trunk divides into two main stems at a height of 3m from the trees base creating a co-dominant form. They have grown together with a tight fork union between the stems with some signs of included bark being present. This can be indicative of a potential structural defect although it appears to be sound at present with no stress fractures or splitting apparent. One of the stems has an upright growth habit forming the main bulk of the canopy the other has grown on a more lateral growth habit supporting approx. 30 % of the overall crown. This negatively impacts on the overall growth habit of this specimen which is not typical of the species and reduces its overall form and condition.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	3
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	9
<b>Function</b>	Minor	Useful	Important	Significant	Major	9
<b>Age (yrs.)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						57

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	3
<b>Subtotal Points</b>						51

**Notable Evaluation**

<b>Recognition</b>		Local	District	Regional	National	International	
<b>Points</b>		3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>						
	<b>Form</b>						
<b>Historic</b>	<b>Age 100+</b>						
	<b>Association</b>						
	<b>Commemoration</b>						
	<b>Remnant</b>						
	<b>Relict</b>						
<b>Scientific</b>	<b>Source</b>						
	<b>Endangered</b>						
<b>Subtotal Points</b>							

**Total Points 108**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 8<sup>th</sup> October 2024

**Location:** 66, Penrose St, Woburn – A stand of 13 Nikau palm trees are growing along the banksides of the Opahu Stream that is running through this property. The Palms display a wide range of both trunk girths (20cm – 50cm) and height from 4m to 13m tall. They have estimated ages from the juvenile specimens around 50 yrs. old to the older and mature specimens which are likely to be remnants of the valley floor and probably over 150 + years old.

A visual field inspection would indicate that most if not all of the Nikau Palm trees growing in this stream location would exceed the required STEM scores of 100 to obtain notable status.

I have selected a single specimen for a STEM assessment based on it having the best qualities and health.

The specimen is located on the house side of the stream 3m above the bankside it has the tallest Nikau palm (13m tall with a narrow girth trunk) growing directly next to it.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 159

Species: *Rhopalostylis sapida* - Nikau Palm

Native/Exotic: Native

Photographs:



Height –11m    Spread – 5m    Volume formulae – Cylinder

Background information / Site information/ General comments:

This is a mature specimen growing within a stand of similar aged Nikau. It has developed with a wide girth main trunk (35cm DBH) that is straight and displays a good solid density throughout its length. The trunk is 8m tall before the bulbous crown of the tree is reached.

90+ leaf scars are present on the trunk, the height, girth and stature of this specimen would indicate an age of around 100 years old possibly more.

It has healthy frond growth with a 5m spread and displays vital and vigorous apical shoots.

The tall neighbouring Nikau tree is growing with a distorted trunk that grows into the developing frond growth. It does not appear to be adversely impacting on its canopy.

This is a very good example of this species displaying excellent health and vitality and flourishing in this natural streamside environment.

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	27
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						<b>105</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>51</b>

#### Notable Evaluation

Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					3
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Endangered					
<b>Subtotal Points</b>						<b>3</b>

**Total Points 159**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 13<sup>th</sup> February 2023

Location: 15, Pitoittoi Rd, Days bay – The tree is growing at rear of property on a terraced hillside

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 120

Species: *Metrosideros excelsa* Pohutukawa

Photographs:



Height – 19m    Spread – 15m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

It is the dominant canopy tree in this vicinity when viewed from Pitoittoi road looking upwards. It is surrounded by both private bush and reserve land.

It is a typical multi-stemmed specimen with large girthed trunks and displays a well-balanced health canopy.

It has an estimated age of between 80 -100 yrs old.



**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	21
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	21
<b>Function</b>	Minor	Useful	Important	Significant	Major	9
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						81

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	3
<b>Role</b>	Minor	Moderate	Important	Significant	Major	9
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						39

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 120**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 13<sup>th</sup> February 2023

**Location:** 15, Pitoitoi Rd, Days bay – The tree is growing on the Eastern slopes at the rear of property. It is surrounded by native bush and not readily visible

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 120

**Species:** *Metrosideros robusta* Northern Rata

**Photographs:**



**Height – 15m    Spread – 11m    Volume formulae – Hemisphere**

**Background information / Site information/ General comments:**

**This is a semi mature specimen. It is free standing with four main trunks growing directly from the ground. They have girths of between 25-30cm diameters. The tree has developed with an upright growth habit with a one sided growth balance on the northern aspect away from competing vegetation and the natural contours of the land.**

**The canopy is healthy and showing good density of foliage cover throughout the upper and lower crown of the tree. It cannot be readily seen from the roads or bush areas due to the surrounding trees and screening from residential buildings.**

**It has an estimated age of between 80-100yrs old.**



**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						75

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	3
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						45

**Notable Evaluation**

<b>Recognition</b>		Local	District	Regional	National	International	
<b>Points</b>		3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>						
	<b>Form</b>						
<b>Historic</b>	<b>Age 100+</b>						
	<b>Association</b>						
	<b>Commemoration</b>						
	<b>Remnant</b>						
	<b>Relict</b>						
<b>Scientific</b>	<b>Source</b>						
	<b>Endangered</b>						
<b>Subtotal Points</b>							

Total Points 120

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 16<sup>th</sup> February 2023

Location: 7, Rawhiti St, Stokes Valley Tree is growing near the roadside boundary fence in the front garden adjacent to Rawhiti St..

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 120

Species: *Quercus rubra* - Red Oak (Species needs to be clarified when fruit has developed to confirm identification)

Photographs:



Height – 17m Spread – 20m Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is a mature specimen providing the dominant tree in this location. It is a spreading specimen that has developed with a somewhat unbalanced spreading canopy. At a height of 2m the main trunk divides into three main stems losing the characteristic single trunk form. Two of the stems have developed with large girths the third stem is suppressed and half their diameter. The unions at the growth points of the three stems appear to be sound. Some incipient decay is evident at one large pruning wound on the stem closest to the house. It displays a healthy canopy with good density and foliage cover, it overhangs the carriageway by 5m but is lifted to legal clearances. The tree has an estimated age between 80 -100yrs old based on the girth of trunk and canopy development.

**Condition Evaluation**

Points	3	9	15	21	27	Score
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	9
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						69

**Amenity Evaluation**

Points	3	9	15	21	27	Score
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	9
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						51

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	Score
<b>Points</b>	3	9	15	21	27	
<b>Stature</b>						
<b>Feature</b>						
<b>Form</b>						
<b>Historic</b>						
<b>Age 100+</b>						
<b>Association</b>						
<b>Commemoration</b>						
<b>Remnant</b>						
<b>Relict</b>						
<b>Scientific</b>						
<b>Source</b>						
<b>Endangered</b>						
<b>Subtotal Points</b>						0

**Total Points 120**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 5<sup>th</sup> July 2024

Location: Riddiford Gardens: Situated on the Southern side and directly adjacent to Council administration block. Growing within a raised garden area.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 132

Species: *Quercus robur* – English Oak.

Native/Exotic: Exotic

Photographs:



Height –21m Spread – 22m Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is a mature specimen growing in a raised garden area after major landscaping and building development work was undertaken in 2016.

The planting date has been established in 1935 making it 80+ yrs old based on being a 3yr old specimen at time of planting

A single main trunk has been pruned in the past to remove lower limbs creating a clear main trunk for the first 5m. The natural form and shape of the tree has been diminished by these crown lifting pruning regimes.



From the main scaffold stems the arterial branches have developed to form a well-balanced and compact rounded canopy. The main scaffold limbs are all covered by epiphytic growth - this is not harmful to the overall health of the tree.

The canopy growth is healthy with good nodal development and density throughout the crown of the tree.

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>75</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>57</b>

#### Notable Evaluation

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
Scientific	Remnant					
	Relict					
	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 132**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 15<sup>th</sup> July 2024

Location: Riddiford Playground gardens. Tree is growing adjacent to the bowling club and the pedestrian bridge to the north of the playground area. It is situated between a Lilly pilly tree and Camphor Laurel tree

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 141

Species: *Metrosideros excelsa* - Pohutukawa

Native/Exotic: Native

Photographs:



Height –19m    Spread – 25m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is a mature specimen tree growing within the bank of the stream and forming the dominant canopy cover in the area. This is an old mature tree planted in 1915 making it over 100 years old at the time of assessment.

It has developed with a characteristic multi-stemmed trunk at the base of the tree forming nine large stems. Three of the stems have developed with horizontal growth habits all in a northerly direction across the stream and pedestrian bridge. They are all well formed with large girths and structurally sound. One stem has been removed/failed in the past with the remaining stump still in situ, several branches have been removed from the bowling club side to crown-lift away from the property boundary.

The canopy is very healthy with good vigour and density of foliage found throughout the crown of this tree. The form of the tree has been impacted by removal of branches on the southern side and competition from the two adjacent trees.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	15
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						81

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	9
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						57

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>	3				3
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						3

**Total Points 141**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 15<sup>th</sup> July 2024

Location: Riddiford gardens Playground area. Tree is growing between the aviary and the stream on the Western aspect.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 120

Species: *Dacrydium cupressinum* - Rimu

Native/Exotic: Native

Photographs:



Height –14m    Spread – 12m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is a semi-mature specimen of the species in terms of its potential longevity. It is growing at the top of the stream bank near the aviary.

It was planted in 1945 making it just over 80 years old at the time of assessment based on it being a 3yr old transplant.

It has developed with a single trunk before developing into a co-dominant form at a height of 4m. The union between the two competing stems has included bark present indicative that a weakness exists at this growth point. The branch growth from both stems has created a dense network to form a very compact canopy with a rounded appearance as opposed to the typical conical form found in younger trees of this age.

The overall crown is slightly one sided lowering the overall form value of the tree.

The canopy is very healthy with good vigour and density of foliage found throughout the crown of this tree.



**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						75

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	9
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						45

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 120**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 14<sup>th</sup> July 2024

Location: Riddiford gardens Playground area. Tree #14 - This is #1 of 2 Willow trees growing in close proximity to each other adjacent to the stream. This is the western most tree of the two growing between the stream and pedestrian footbridge.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 120

Species: *Salix babylonica* – Weeping Willow

Native/Exotic: Exotic

Photographs:



Height –21m    Spread – 16m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is a mature specimen tree growing within the bank of the stream and together with the adjoining Willow tree they combine to form the dominant walkway side canopy cover in the area. This is a mature tree planted in 1975 making it over around 50 years old at the time of assessment. Willows are a fast growing and generally have a limited lifespan of about 80 years due to their susceptibility to decay and limited abilities to limit its spread.

It has developed with a single straight trunk that forms four main stems at a height of 4m.

The canopy is very healthy with good vigour and nodal density found throughout the crown of this tree. The form of the tree has been slightly impacted by the close proximity of the neighbouring Willow tree.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
<b>Subtotal Points</b>						63

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	9
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						57

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 120**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 14<sup>th</sup> July 2024

Location: Riddiford gardens Playground area. Tree #15 - This is #2 of 2 Willow trees growing in close proximity to each other adjacent to the stream. This is the eastern most tree of the two growing between the stream and pedestrian footbridge.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 120

Species: *Salix babylonica* – Weeping Willow

Native/Exotic: Exotic

Photographs:



Height –21m    Spread – 24m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is a mature specimen tree growing on the toe of the bank above the stream. It is a more spreading specimen than that of the adjacent Willow tree and together they create a large dominant canopy.

This is a mature tree planted in 1975 making it over around 50 years old at the time of assessment. Willows are a fast growing and generally have a limited lifespan of about 80 years due to their susceptibility to decay and limited abilities to limit its spread.

It has developed with a single trunk with a 10° lean towards the East. At a height of 4m five main stems have developed to create the framework of branches. The crown of the tree displays a one sided growth habit with large limbs having developed over the pathway.



The canopy is very healthy with good vigour and nodal density found throughout the crown of this tree.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
<b>Subtotal Points</b>						63

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	9
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						57

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 120**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 12<sup>th</sup> December 2022

Location: 121, Seddon St, Naenae. Found growing by a stream at the rear of the property. This is one of two mature Kahikatea trees growing in close proximity to each other. When viewed from a distance they create a single common canopy. This is tree#1 it is the larger dominant tree growing closest to the house on the Eastern side

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 168

Species: *Dacrycarpus dacrydioides* (kahikatea or white pine)

Photographs:



Height 25m\* (The accuracy of measuring the height was difficult using both clinometer and range finder. Not possible to see base and top of tree from any given vantage point. The height has been estimated but is determined to be reasonably accurate.)

Spread – 10m      Volume formulae –Conical

Background information / Site information/ General comments:

A remnant tree that has survived to maturity, displaying very good form and health. It is found in a small back garden section in their favoured growing location by a stream and wetland areas.

This is the dominant tree of the two closely growing trees and is approx. 6m taller. It has the perfect form and conical growth habit associated with the species with a single straight well developed main trunk. It has a single apical growth point which remains healthy and vital . It a remnant tree of the dominant species that once flourished on the Valley floor it has an estimated age well over 100yrs old. The trunks are less than 1m apart but are not in direct contact with plenty of room for future girth expansion. Tree #1 is seen on the right of the photograph it is the larger of the two trees it has excellent girth and taper with a DBH of 72cm.

The two trees have developed in unison and in effect create one common canopy. It is integral to the ongoing health of both trees that they both remain viable, providing each other mutual protection from the elements. Should one fail or be removed the remaining tree will be exposed and at a high risk of declining health.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	21
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	21
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						99

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						63

**Notable Evaluation**

<b>Recognition</b>		Local	District	Regional	National	International	
<b>Points</b>		3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>						
	<b>Form</b>						
<b>Historic</b>	<b>Age 100+</b>						3
	<b>Association</b>						
	<b>Commemoration</b>						
	<b>Remnant</b>						3
	<b>Relict</b>						
<b>Scientific</b>	<b>Source</b>						
	<b>Endangered</b>						
<b>Subtotal Points</b>							6

**Total Points 168**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 12<sup>th</sup> December 2022

Location: 121, Seddon St, Naenae. Found growing by a stream at the rear of the property. This is one of two mature Kahikatea trees growing in close proximity to each other. When viewed from a distance they create a single common canopy. This is tree#2 it is the smaller suppressed specimen tree growing closest to the stream to the west of tree #1  
Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 144

Species: *Dacrycarpus dacrydioides* (kahikatea or white pine)

Photographs: | Unable to get a good viewing point to take a photo of tree #2- in the photo it is directly behind the dominant tree #1



Height 19m\* (The accuracy of measuring the height was difficult using both clinometer and range finder. Not possible to see base and top of tree from any given vantage point. The height has been estimated being 6m shorter than tree #1

Spread – 11m      Volume formulae – Conical

#### Background information / Site information/ General comments:

One of two surviving remnant Kahikatea trees growing in very close proximity to each other. The tree has suppressed growth on one side creating an average form and balance and is significantly smaller in height. It displays a single main trunk with a DBH of 60cm. In the photograph a longitudinal included bark fluted growth has occurred. No obvious decay is apparent, this appears to be natural growth form rather than stemming from a wound site.

The main trunk shows a distorted growth point at a height of 11m, but does not appear to have impacted on its structural integrity.

The main apical growth point has been damaged at some point in its recent growing years and now has competing apical growths that are likely to lead to a more rounded development in the upper canopy.

Overall this remains a healthy specimen displaying good vigour and vitality but average form.

The two trees have developed in unison and in effect create one common canopy. It is integral to the ongoing health of both trees that they both remain viable, providing each other mutual protection from the elements. Should one fail or be removed the remaining tree will be exposed and at a high risk of declining health.



**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						81

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						57

**Notable Evaluation**

<b>Recognition</b>		Local	District	Regional	National	International	
<b>Points</b>		3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>						
	<b>Form</b>						
<b>Historic</b>	<b>Age 100+</b>						3
	<b>Association</b>						
	<b>Commemoration</b>						
	<b>Remnant</b>						3
	<b>Relict</b>						
<b>Scientific</b>	<b>Source</b>						
	<b>Endangered</b>						
<b>Subtotal Points</b>							6

**Total Points 144**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 13<sup>th</sup> August 2024

**Location:** 140 Seddon St, Naenae. Tree is growing adjacent to the residential driveway and the main shared driveway by a stream location.

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 120

**Species:** *Laurelia novae-zelandiae* - Puketea

**Native/Exotic:** Native

**Photographs:**



**Height –15m   Spread – 8m   Volume formulae – Hemisphere**

**Background information / Site information/ General comments:**

This is a semi-mature specimen of the species, it can attain heights of 35m tall with large stem girths which usually take on the buttress growth form on maturity. It is growing in their favoured spot near water above the stream bank.

They are a slow growing species making it difficult to age, based on the girth of the trunk it is estimated to be around 80 yrs. old and highly likely to be self-sown.

It has developed with a single trunk before a large lateral limb develops on the shared driveway side. This limb has an upright growth habit and is competing with the main trunk for apical dominance- in effect creating a twin stemmed growth form.

The canopy shows good foliage cover but had developed with an atypical growth habit.

The branch growth from both stems has created a dense network to form a very compact canopy with a rounded appearance as opposed to the typical conical form found in younger trees of this age.

The overall crown is slightly one sided lowering the overall form value of the tree.

The canopy is very healthy with good vigour and density of foliage found throughout the crown of this tree.

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	3
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>69</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>51</b>

#### Notable Evaluation

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
Scientific	Remnant					
	Relict					
	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 120**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 1<sup>st</sup> August 2024

Location: 22, Sherwood St, Woburn – A mature Nikau palm tree located at the rear garden of the property not being visible from the road. It is growing next to the neighbours' garage wall.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 132

Species: *Rhopalostylis sapida* - Nikau Palm

Native/Exotic: Native

Photographs:



Height –9m    Spread – 2.5m    Volume formulae – Cylinder

Background information / Site information/ General comments:

This is a mature specimen with an estimated age over 80 yrs. old based on the old leaf scars and height.

It has developed with a reasonably straight and well girthed trunk showing good taper. The trunk is in close proximity to the neighbours' garage wall but is not in direct contact and would be unlikely to ever do so.

The fronds are healthy but displaying shortened and wind damaged growth points indicative of the exposed location. The bulbous crown is also healthy and vital with flowers growing at its base.



## Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>81</b>

## Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>51</b>

## Notable Evaluation

Recognition		Local	District	Regional	National	International	
Points		3	9	15	21	27	Score
Stature	Feature						
	Form						
Historic	Age 100+						
	Association						
	Commemoration						
	Remnant						
Scientific	Relict						
	Source						
	Endangered						
<b>Subtotal Points</b>							

Total Points 132

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 16<sup>th</sup> August 2024

Location: 284, Stokes Valley Rd: The tree is growing near the street frontage on the NW corner of the front garden section.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 132

Species: *Quercus robur* – English Oak.

Native/Exotic: Exotic

Photographs:



Height –21m    Spread – 22m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is a mature specimen growing in a visible public location near the road frontage.

The planting date has not been established – based on the girth of the trunk and overall dimensions it is estimated to be around 70 years old.

A single main trunk forms into multiple stems at a height of 3m from the base. The stems have developed with good spatial growth to create a well- balanced and rounded growth form.

The canopy growth is healthy with good nodal development and density throughout the crown of the tree.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	15
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	21
<b>Function</b>	Minor	Useful	Important	Significant	Major	9
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15

**Subtotal Points** 75

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	9
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9

**Subtotal Points** 57

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					

**Subtotal Points**

**Total Points 132**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 17<sup>th</sup> September 2024

Location: Council Street Tree. 7, Totara Cres – the tree is growing within the berm on the Totara St frontage of this property.

This is #2 of 4 Totara trees that have been selected for assessment from the 82 street trees growing along the length of Totara Cres. The selection criteria used to help identify the best trees in the street for a STEM assessment is based on the following:

1. Not growing under power or service lines.
2. Not adversely impacted by competition from adjacent trees and vegetation
3. Have not had any significant tree work undertaken that impacts on their natural form or health.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 132

Species: *Podocarpus totara* – Totara

Native/Exotic: *Native*

Photographs:



Height – 15m    Spread – 17m    Volume formulae – hemisphere

Background information / Site information/ General comments:

This is a mature street tree planted in 1933 making it around 95 years old at the time of assessment.



A single main trunk displays a wide girth and is growing with a 2.5m wide berm, The trunk is abutting the concrete pavement on the road side. The trunk divides into 12 main stems at a height of 2m from the ground. The stems have upright growth habits are well formed and evenly spaced out. The unions between the stems appear to be sound with no included bark or indications of any structural defects at these growth points

The lateral limbs complement the main stems to provide good spatial and balanced development to support the canopy growth.

The crown and foliage cover is good it has developed a well-balanced and rounded form.

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yrs.)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>81</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>51</b>

#### Notable Evaluation

Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
Scientific	Remnant					
	Relict					
	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 132**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 17<sup>th</sup> September 2024

Location: Council Street Tree. 67, Totara Cres, Woburn – the tree is growing within the berm on the Totara St frontage of this property.

This is #3 of 4 Totara trees that have been selected for assessment from the 82 street trees growing along the length of Totara Cres. The selection criteria used to help identify the best trees in the street for a STEM assessment is based on the following:

1. Not growing under power or service lines.
2. Not adversely impacted by competition from adjacent trees and vegetation
3. Have not had any significant tree work undertaken that impacts on their natural form or health.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 126

Species: *Podocarpus totara* – Totara

Native/Exotic: *Native*

Photographs:



Height – 12m    Spread – 13m    Volume formulae – hemisphere

Background information / Site information/ General comments:

This is a mature street tree planted in 1938 making it around 90years old at the time of assessment.

A single main trunk displays a 1m wide girth; it is growing within a lawn area which extends into the berm area with no boundary fence. The base of the trunk is close to the concrete pavement but is not in direct contact. At a height of 2m from the base of the trunk it divides into 6 main stems.

The stems are all healthy and well developed with very good spatial development. The lateral and apical branches display symmetrical growth patterns providing a good framework for the crown expansion.

The crown and foliage cover is very healthy.

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yrs.)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>81</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>45</b>

#### Notable Evaluation

Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 126**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 17<sup>th</sup> September 2024

Location: Council Street Tree. 69, Totara Cres Woburn – the tree is growing within the berm on the Totara St frontage of this property.

This is #4 of 4 Totara trees that have been selected for assessment from the 82 street trees growing along the length of Totara Cres. The selection criteria used to help identify the best trees in the street for a STEM assessment is based on the following:

1. Not growing under power or service lines.
2. Not adversely impacted by competition from adjacent trees and vegetation
3. Have not had any significant tree work undertaken that impacts on their natural form or health.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 126

Species: *Podocarpus totara* – Totara

Native/Exotic: *Native*

Photographs:



Height – 12m    Spread – 12m    Volume formulae – hemisphere

Background information / Site information/ General comments:

This is a mature street tree planted in 1938 making it around 90years old at the time of assessment.



A single main trunk displays a well-developed wide girth; it is growing within a 3m wide berm. The base of the trunk is close to the concrete pavement but is not in direct contact. At a height of 2m from the base of the trunk it divides into 9 main stems.

The stems are all healthy and well developed with very good spatial development. The lateral and apical branches display symmetrical growth patterns providing a good framework to support the crown.

The foliage cover is dense and healthy throughout the canopy of this tree.

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yrs.)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>81</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>45</b>

#### Notable Evaluation

Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 126**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 14<sup>th</sup> February 2023

Location: 42, Totara Cres, Woburn. The tree is located at the rear of section on the southern corner abutting the boundary fence line

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 126

Species: *Vitex lucens* Puriri

Photographs:



Height – 11m    Spread – 12m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

A mature specimen tree displaying an even balance with a healthy canopy. It has developed with a single trunk that is directly against the boundary fence line and is likely to create a conflict situation as its girth continues to increase. Pruning cuts on the main trunk are evident from the removal of lower limbs in the past. No significant decay is evident at these sites. Approximately half of the canopy overhangs the neighbouring boundary. It has an estimated age of around – 80 years old

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>81</b>

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>45</b>

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 126**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 26<sup>th</sup> July 2024

Location: 1b Waiiti Cres, Woburn – #1 of 2 Nikau Palm trees growing in close proximity to each other. Located at front of section directly adjacent to footpath. This is the Eastern most specimen of the two Palms.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 126

Species: *Rhopalostylis sapida* - Nikau Palm

Native/Exotic: Native

Photographs:



Height – 8.5m    Spread – 3.5m    Volume formulae – Cylinder

Background information / Site information/ General comments:

This is a mature specimen with an estimated age of around 80 yrs old based on the old leaf scars and height. It is growing in close unison with the adjacent Nikau Palm both of similar age and stature. They do not adversely impact on each other's canopy/frond development but do provide each other some protection from the elements.

It has developed with a straight but narrow trunk showing good taper. The fronds are healthy with a stunted growth form being impacted by their exposed location. Flowers and fruit have developed below the bulbous crown base providing a potential seed source.

The development of relatively new adjacent town houses does not appear to have had an adverse impact on the trees vigour and vitality.

It is readily visible to the public from road and footpath on both Waiiti Cres and Woburn Rd.



## Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>81</b>

## Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	3
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>45</b>

## Notable Evaluation

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Endangered					
<b>Subtotal Points</b>						

Total Points 126



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 26<sup>th</sup> July 2024

Location: 1b Waiiti Cres, Woburn – #2 of 2 Nikau Palm trees growing in close proximity to each other. Located at front of section directly adjacent to the boundary fence and footpath. This is the Western most specimen of the two Palms.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 120

Species: *Rhopalostylis sapida* - Nikau Palm

Native/Exotic: Native

Photographs:



Height – 8.5m    Spread – 3.5m    Volume formulae – Cylinder

Background information / Site information/ General comments:

This is a mature specimen with an estimated age of around 80 yrs old based on the old leaf scars and height but may be older. It is growing in close unison with the adjacent Nikau Palm both of similar age and stature. They do not adversely impact on each other's canopy/frond development but do provide each other some protection from the elements.

The trunk has developed with a 5° lean towards the road, the taper is average with a narrow lower trunk that increases slightly in girth at a height of 1.5m. The fronds are healthy with a stunted growth form being impacted by their exposed location. Flowers and fruit have developed providing a potential seed source. The bulbous crown of the tree is healthy and well developed.

The development of relatively new adjacent town houses does not appear to have had an adverse impact on the trees vigour and vitality.

It is readily visible to the public from road and footpath on both Waiiti Cres and Woburn Rd.

#### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						<b>75</b>

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	3
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>45</b>

#### Notable Evaluation

Recognition		Local	District	Regional	National	International	
Points		3	9	15	21	27	Score
Stature	Feature						
	Form						
Historic	Age 100+						
	Association						
	Commemoration						
	Remnant						
	Relict						
Scientific	Source						
	Endangered						
<b>Subtotal Points</b>							

**Total Points 120**



**Lower Hutt - STEM Tree evaluations****Full Tree Evaluation Score Sheet****Date:** 21<sup>st</sup> December 2022**Location:** 24, Wainuiomata Rd, Wainuiomata. Tree is growing on berm, adjacent to road and property fence-line.**Assessor:** Dave Aitchison (Arbortech Services Ltd)**Total points scored:** 150**Species:** *Pinus radiata* - Monterey Pine/ insignis Pine**Photographs:****Height –29m    Spread – 28m    Volume formulae – Conical****Background information / Site information/ General comments:**

This is a local identity tree, creating a focal point when travelling in both directions along Wainuiomata Rd. It has an estimated age at around 100yrs old. It has an upright growth habit with a reasonably balanced canopy development when viewed from a distance.

Its longevity is compromised somewhat by the development of competing co-dominant stems at a height of 16m up the main trunk. A tight fork union has developed between the two stems with included bark and bulging growth found at this site. An associated weakness has occurred at this growth point which is likely to become compounded as the tree continues to increase in girth and mass. Bracing support had been implemented in the upper canopy to help alleviate the stresses placed on this union between the two stems. Incipient decay is found at two large wound sites on the Eastern and Western sides of the main trunk. The decay does not appear to be impacting on the structural integrity of the trunk.

**Condition Evaluation**

Points	3	9	15	21	27	Score
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	3
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	9
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27

**Subtotal Points****63**

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	27
<b>Visibility (km)</b>	0.5	1	2	4	8	9
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	15

**Subtotal Points** 81

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					3
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					3
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					

**Subtotal Points** 6

**Total Points** 150

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 1<sup>st</sup> August 2024

Location: 167, Waiwhetu Rd, Waiwhetu – A mature Nikau palm tree growing within the confines of a hard landscaped area to the rear of carport location.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 138

Species: *Rhopalostylis sapida* - Nikau Palm

Native/Exotic: Native

Photographs:



Height –11m    Spread – 3.5m    Volume formulae – Cylinder

Background information / Site information/ General comments:

This is a mature specimen with an estimated age over 100 yrs. Old. This is based on the number of old leaf scars and height. It is highly likely to be a remnant specimen of the valley floor prior to urban development.

It has developed with a reasonably straight and narrow girthed trunk but displaying an even taper. The trunk is growing within the confines of a 1.5m diameter circular bed encircled by bricks and concrete.

Given the limitations of the growing location it exhibits a healthy canopy growth but displaying shortened and wind damaged growth points. This is a typical growth form created by its exposed growing location. It has a relatively small bulbous crown but it is healthy and displays recent flowering at its base

It is at the rear of the property and not readily viewed from the street frontage.

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yr.)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						<b>81</b>

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>51</b>

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					3
	Association					
	Commemoration					
Scientific	Remnant					3
	Relict					
	Source					
	Endangered					
<b>Subtotal Points</b>						<b>6</b>

**Total Points 138**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 15<sup>th</sup> August 2024

Location: Epuni school, 313, Waiwhetu Rd. The Beech tree is located near the front of the school in a garden bed area between asphalt hard surfaces.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 138

Species: *Fuscopora solandri* – Black Beech

Native/Exotic: *Native*

Photograph:



Height – 16m    Spread – 15m    Volume formulae – Conical

Background information / Site information/ General comments:

This is a mature tree forming the dominant tree in this stand of native plantings. HCC aerial photographs from 1941 show an established tree growing in this location. It is highly likely to be a remnant specimen based on the trunk girths and overall dimensions.

From near the base of the tree at a height of 50cm two competing stems have formed. The union appears to be healthy with no obvious included bark or structural weakness found at this growth point. The two stems have developed in unison to create well formed scaffold limbs and branch network.

The tree displays a rounded well balanced canopy. Some dieback is evident mainly in the upper canopy locations indicating that the tree may be in decline. Possible compaction issues with foot traffic around rooting zone.

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	9
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						<b>75</b>

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	15
<b>Subtotal Points</b>						<b>57</b>

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					3
	Association					
	Commemoration					
	Remnant					3
	Relict					
Scientific	Source					
	Endangered					
<b>Subtotal Points</b>						<b>6</b>

**Total Points 138**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 12<sup>th</sup> August 2024

Location: Chilton St James 124, Waterloo Rd Hutt Central. The tree is growing at the front of the school adjacent to Waterloo rd and a gated side entry to property.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 135

Species: *Metrosideros robusta* – Northern Rata

Native/Exotic: Native

Photographs:



Height –14m    Spread – 10m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is a mature specimen tree growing at the front of the school by the fence line. HCC aerial photographs from 1941 show an established tree growing in this location. It is unlikely to be a remnant specimen but probably planted in the late 1920's with an estimated age of around 100 yrs old.

It has developed with a multi-stemmed trunk from near the base of the tree, the five main stems have an upright growth habit and are well spaced.

The canopy does show signs of stress with dieback found in the lower and mid regions of the crown displaying average vigour and vitality.

The overall balance and form of the tree is good.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	15
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	9
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						<b>81</b>

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						<b>51</b>

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					3
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						<b>3</b>

**Total Points 135**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 12<sup>th</sup> August 2024

**Location:** Chilton St James 124, Waterloo Rd Hutt Central. The Totara tree is growing on the Western side of the main school entrance driveway.

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 162

**Species:** *Podocarpus totara*– Totara

**Native/Exotic:** Native

**Photographs:**



**Height –15m    Spread – 13m    Volume formulae – Hemisphere**

**Background information / Site information/ General comments:**

This is a mature specimen tree growing in a prominent position by the main school entrance. HCC aerial photographs from 1941 show an established tree growing in this location. It is highly likely to be a remnant specimen based on its trunk girth and dimensions.

At a height of 3m from the base it has developed with three main stems they have good spatial development and are structurally sound.

The canopy is healthy displaying very good vigour and vitality. One side of the canopy growth is being slightly impacted by the competing nature of the adjacent tree. The overall form remains very good.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	21
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	21
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						99

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						57

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					3
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					3
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						6

**Total Points 162**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 19<sup>th</sup> August 2024

**Location:** 3, Westminster Rd, Wainuiomata: The tree is growing in the rear garden section behind the house, its trunk is located . 6m from the neighbouring Oak tree

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 108

**Species:** *Cordyline australis* – Cabbage tree.

**Native/Exotic:** Native

**Photographs:**



**Height –11m    Spread – 5m    Volume formulae – Hemisphere**

**Background information / Site information/ General comments:**

**This is a mature specimen. It has a wide girth single straight trunk to a height of 6m where the fronds and branch growth is established.**

**The planting date is unknown its dimensions would indicate 40-50 yrs old.**

**The canopy growth is healthy it is impacted slightly by the encroaching canopy from the neighbouring Oak tree which is limiting growth on the southern aspect.**

**It is not visible from the roadside or frontage.**

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	15
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	9
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	9
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
<b>Subtotal Points</b>						63

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	9
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						45

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 108**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 12<sup>th</sup> December 2022

Location: 213 White Lines East. The tree is growing directly adjacent to the shared driveway on the eastern side. It is a back section and is not readily visible from the road side.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 144

Species: *Dacrycarpus dacrydioides* (kahikatea or white pine)

Photographs:



Height – 22m    Spread – 11m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

A mature tree displaying a multi stemmed growth habit with a rounded canopy growth form.

This is a remnant tree of the dominant species that once flourished on the Valley floor it has an estimated age well over 100yrs old. It has a large girth trunk ( 90cm DBH) that divides into several competing main stems at a height of 3m. This is not the characteristic growth pattern associated with this forest tree where a single main trunk is the norm. It has had some apical damage during its juvenile years with the resulting formation of competing stems. This has created a dense but reasonably balanced canopy that displays good health.

The trunk is in direct contact with the asphalt driveway and is causing obvious lifting where its main buttress and anchorage roots have developed. This damage can be expected to compound in the future as the trees roots continue to increase their size. Being a shared driveway this could have significant issues and may need to be addressed prior to protecting.

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	9
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	27
<b>Subtotal Points</b>						81

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	9
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						57

**Notable Evaluation**

<b>Recognition</b>		Local	District	Regional	National	International	
<b>Points</b>		3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>						
	<b>Form</b>						
<b>Historic</b>	<b>Age 100+</b>						3
	<b>Association</b>						
	<b>Commemoration</b>						
	<b>Remnant</b>						3
	<b>Relict</b>						
<b>Scientific</b>	<b>Source</b>						
	<b>Endangered</b>						
<b>Subtotal Points</b>							6

**Total Points 144**

## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 16<sup>th</sup> March 2023

Location: Williams Park, Days Bay, Eastbourne. Tree is located at Southern end of park by barbeque area. The trunk is adjacent to the asphalt driveway. It is one of two *pūriri* trees in this location being the largest in all of its dimensions.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 126

Species: *Vitex lucens* – *pūriri* or *kauere*

Photographs:



Height – 13m    Spread – 15m    Volume formulae – Hemisphere

Background information / Site information/ General comments:

This is a mature specimen tree with an estimated age of between 80- 100 years old. They are a relatively fast growing species, any available historic data would be valuable to help accurately determine its age. Endemic to New Zealand their natural geographically occurring regions are in the Upper North Island.

It has developed with an atypical form due to the multi stemmed development of 2 main stems and a large lateral limb that have formed at a height of 1-2m from the base of the trees trunk. The trunk of the tree is abutting the asphalted road and is lifting the surrounding hard surfaces.

The resulting growth form of the canopy growth is spreading and reasonably symmetrical and balanced when viewed from a distance. The foliage is healthy showing good vigour and vitality throughout.

**Condition Evaluation**

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yr.)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
<b>Subtotal Points</b>						75

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						51

**Notable Evaluation**

Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Endangered					
<b>Subtotal Points</b>						

**Total Points 126**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

Date: 6<sup>th</sup> October 2024

Location: Corner of Woburn Rd/Bellvue Rd outside of the Hutt Recreation ground on the Bellvue Rd side.

Assessor: Dave Aitchison (Arbortech Services Ltd)

Total points scored: 126

Species: *Agathis australis* - Kauri

Native/Exotic: *Native*

Photographs:



Height – 13m    Spread – 7m    Volume formulae – Conical

Background information / Site information/ General comments:

A juvenile tree growing in a readily viewed location on the frontage of a main road intersection. Its age has not yet been accurately determined. The 1969 historic aerial photo's show a tree growing in this location but may not be this particular specimen. The first readily identifiable photo is seen in the 1977 when the pump station building is also present. The estimated planting date is estimated to be early 70's making it around 60 years old at the time of assessment.

The base of the tree is growing within the confines of a small garden area between the footpath and a pumping station building.

It has a well formed single straight trunk which continues growing as a single apical stem to a height of 13m.

It displays the typical conical growth habit with healthy foliage cover throughout the canopy of the tree and shows good form.

A Nikau Palm is growing on the northern aspect of the tree has almost been enveloped by the Kauri canopy and is unlikely to survive this growing location as the Kauri crown growth continues.

### Condition Evaluation

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	15
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	15
<b>Function</b>	Minor	Useful	Important	Significant	Major	15
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
<b>Subtotal Points</b>						75

### Amenity Evaluation

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	15
<b>Role</b>	Minor	Moderate	Important	Significant	Major	15
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						51

### Notable Evaluation

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 126**



## Lower Hutt - STEM Tree evaluations

### Full Tree Evaluation Score Sheet

**Date:** 17<sup>th</sup> August 2024

**Location:** Naenae Primary School - 8, Gordon St Naenae. The tree is growing on the Gordon St road frontage. This is the largest Totara tree and is located in the centre of the tree lined area.

**Assessor:** Dave Aitchison (Arbortech Services Ltd)

**Total points scored:** 90

**Species:** *Podocarpus totara* – Totara

**Native/Exotic:** Native

**Photographs:**



**Height –13m    Spread –11m    Volume formulae – Hemisphere**

**Background information / Site information/ General comments:**

**This is a mature specimen it has a large girth main trunk that develops into several stems at a height of 4m.**

**Its age is unknown but based on the girth of the stems and its overall dimensions it is estimated to be around 70 years old.**

**Significant impact on the trees canopy has been created by the pruning of several large limbs on the northern aspect to clear back from the 11Kv & 400v power lines on the Gordon St side. This has created a one sided canopy and damaged its balance, form and aesthetics.**

**The remaining canopy growth is healthy with an upright growth habit.**

**Condition Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Form</b>	Poor	Moderate	Good	Very good	Specimen	3
<b>Occurrence</b>	Predominant	Common	Infrequent	Rare	Very Rare	15
<b>Vigour/Vitality</b>	Poor	Some	Good	Very good	Excellent	9
<b>Function</b>	Minor	Useful	Important	Significant	Major	9
<b>Age (yr)</b>	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
<b>Subtotal Points</b>						51

**Amenity Evaluation**

<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature (m)</b>	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
<b>Visibility (km)</b>	0.5	1	2	4	8	3
<b>Proximity</b>	Forest	Parkland	Group 10+	Group3+	Solitary	9
<b>Role</b>	Minor	Moderate	Important	Significant	Major	9
<b>Climate</b>	Minor	Moderate	Important	Significant	Major	9
<b>Subtotal Points</b>						39

**Notable Evaluation**

<b>Recognition</b>	Local	District	Regional	National	International	
<b>Points</b>	3	9	15	21	27	<b>Score</b>
<b>Stature</b>	<b>Feature</b>					
	<b>Form</b>					
<b>Historic</b>	<b>Age 100+</b>					
	<b>Association</b>					
	<b>Commemoration</b>					
	<b>Remnant</b>					
	<b>Relict</b>					
<b>Scientific</b>	<b>Source</b>					
	<b>Endangered</b>					
<b>Subtotal Points</b>						

**Total Points 90**