STAGE 3 - SECTION 32

CHAPTER 9

NATURAL AND CULTURAL HERITAGE

APPENDIX 6 - SIGNIFICANT TREES TECHNICAL REPORT

Notified 25 July 2015

Christchurch City Council

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1. Introduction

This report covers:

- Acts, strategies, policies and policy statements that are relevant to protecting the environmental, economic, social and cultural services that trees provide to the residents and visitors to the Christchurch District;
- The reason for a change in assessment systems and the methodology for assessing trees and groups of trees for inclusion/exclusion from the new District Plan;
- Reasoning behind the different thresholds for inclusion/exclusion of trees in the new District Plan;
- Justification for protecting trees in streets, parks and other Council open spaces;
- Significant Trees within the Central City.

2. Relevant Policy

2.1 Resource Management Act (1991)

SECTION 7

Other matters

In achieving the purpose of this Act, all persons exercising functions and powers under it, in relation to managing the use, development, and protection of natural and physical resources, shall have particular regard to—

- c) the maintenance and enhancement of amenity values;
- (f) maintenance and enhancement of the quality of the environment;
- (i) the effects of climate change

2.2 Local Government Act 2002

States that the main purpose is "…provides for local authorities to play a broad role in meeting the current and future needs of their communities for good-quality local infrastructure, local public services, and performance of regulatory functions."

2.3 The New Zealand Biodiversity Strategy 2000

Fulfils in part, commitments New Zealand made under the Convention of Biological Diversity to conserve and sustainably use and manage New Zealand's indigenous biodiversity and the conservation of the genetic resources of our important introduced species.

2.4 Reserves Act 1977

Purposes include:

- providing, for the preservation and management for the benefit and enjoyment of the public, areas of New Zealand possessing:
  - (i) recreational use or potential, whether active or passive; or
  - (ii) wildlife; or

(iii) indigenous flora or fauna; or
(iv) environmental and landscape amenity or interest; or
(v) natural, scenic, historic, cultural, archaeological, biological, geological, scientific, educational, community, or other special features or value.

- ensuring, as far as possible, the survival of all indigenous species of flora and fauna, both rare and commonplace, in their natural communities and habitats, and the preservation of representative samples of all classes of natural ecosystems and landscape which in the aggregate originally gave New Zealand its own recognisable character.

2.5 Property Law Act 2007, Part 6, Subpart 4

Can order the trimming or removal of trees causing legal nuisances.

2.6 Electricity Act 1992, Hazards from Trees Regulations 2003

Protects the security of the supply of electricity, and the safety of the public.

2.7 Christchurch City Council Climate Smart Strategy 2010-2025

The Climate Smart Strategy sets the direction for community and Council responses to the impacts and opportunities presented by Climate Change.

Section 3.3 speaks about reducing domestic transport related greenhouse gas emissions by 50% by 2040 and a 15% increase in land area covered in woody vegetation by 2030 from a 2008 baseline.

Objective 10 speaks about the use of trees and shrubs for carbon sequestration.

2.8 Christchurch Transport Strategic Plan 2012-2042

Creating a city that is easier to move around and provide travel choice, support a vibrant economy, help create stronger communities and a healthier environment.

A challenge to the environment is the impact that the use of vehicles and development of transport infrastructure have on the natural environment through air pollution, dust, storm water runoff , loss of flora and fauna, and visual, noise and vibration intrusion.

Goal 4: Create opportunities for environmental enhancement

Objective 4.1: Reduce emissions and invest in green infrastructure and environmental enhancements.

2.9 Christchurch City Council Public Open Space Strategy 2010-2040

Provides a vision, goals, objectives and priorities to guide the Council and its partners in meeting the following challenges:

- The pressures of urban intensification and related issues potentially resulting in the loss of environmental quality, including opportunity for establishment of large trees;

- Protection and enhancement of the Garden City image and maintenance and enhancement of City identity;
- Protection and enhancement of, and access to, the District's unique and diverse natural, cultural and heritage landscapes;
- Street enhancement for a variety of users and environmental enhancement;
- Use of the road network (formed and unformed), waterways and rural areas to provide greater opportunities for community recreation activities and environmental benefit.

2.10 Christchurch City Council Biodiversity Strategy 2008-2035

Part 1, Goal 1 Conserve and restore Christchurch's and Banks Peninsula's indigenous biodiversity

Objectives:

- priority internationally, nationally and locally threatened species are protected and restored;
- species and habitats important to Ngāi Tahu are protected, and where appropriate, restored.

2.11 Christchurch City Council Draft Tree Policy

This Policy is currently being developed and is a non statutory document that aims to help manage trees in relation to community and individual aspirations and service requests.

This document will be used to gain city wide consistency and guide land owner decision making with requests to remove or heavily modify both significant and non significant trees in road corridors and urban parks District wide.

2.12 Christchurch City Council Corporate Environmental Policy Statement

Purposes include:

- recognising that a healthy natural and built environment is essential for sustainable development of the city;
- commitment to the protection and enhancement of the environment of the city when carrying out of its own functions and duties.

Relevant Policy:

- open spaces and planting - The Council will manage and maintain the open spaces of the City in ways that enhance amenity, avoid adverse effects and minimise maintenance requirements. It will promote plantings as appropriate on its land.

2.13 Central City Recovery Plan

The CCRP inserts the following into the City Plan:

- "Clauses 4.5.1 - 4.5.5 (Special Purpose (Road) Zone) do not apply within the Central City."

Clause 4.5.3 relates to the removal or major pruning of any tree within the road zone.

Section 23 of the CER Act (must not make recommendations or decisions that are inconsistent with the CCRP) is therefore relevant. The Council is therefore potentially limited in the approach it can take through the DPR to protection of trees within the Special Purpose (Road) Zone that falls within the Central City.

3. Replacement District Plan – Methodology

3.1 Current Assessment System

Issues exist with the tree assessment system (commonly referred to as "Walter's System") that has formed the basis of the current heritage and notable tree listings in the District Plans. Christchurch City Council and Selwyn District Council are the only territorial authorities in New Zealand to use that particular system for tree evaluation. The former Banks Peninsula District Council used the same assessment criteria as the City to inform the notable tree register in the operative Banks Peninsula District Plan.

The current assessment method[1]was developed specifically for the operative City Plan and requires trees to be assessed on values associated with the form, size, age, functional value and location of the tree, as well as the tree's social, cultural, historic and scientific/botanical values. Each tree is awarded a maximum of 32 points for each of the nine factors. In order for a tree to be included in the Plan as a heritage or notable tree it must receive a minimum of 30 points. The 30 points may be in one or a combination of all categories.

The same assessment system is also applied to trees protected through the subdivision Consent process (Volume 2, 10.3.3). These trees are required to score 18 points to warrant protection. The threshold score for trees protected through the subdivision process is not specifically referenced within the operative City Plan.

A number of issues exist with the existing assessment methodology:

- There are no guidelines as to how the tree is to be assessed. This leads to subjectivity and differentiation between assessors and can result in the tree being under or over assessed: e.g. there are no definitions for "ecological association" or for what constitutes a "group", "amenity woodland", "scarce", "well frequented public place or private property", "fine avenue", "recreational values", "minor cultural event etc", "interesting character", "exceptionally good outstanding specimen", "best or one of the best examples of species in New Zealand", "important structure", "low visual impact", "reasonable scale", "significant negative values", "good juxtaposition and harmony", "greater public interest".

- In some categories it is possible for a tree to receive more than one score: e.g. Scientific, Botanical it is possible for a tree or group of trees to be "common locally" but also be a "significant tree group". Functional Value concerns soil stabilisation, noise amelioration and screening. It is possible for the same tree to score 2 points for being 25% effective at soil stabilisation, yet also scores 16 points for being 100% effective for screening. It is not possible under the current assessment system for a tree to score both 2 and 16 points in the same category, hence a subjective decision must be made as to the weighting given to each criteria and the end score.

[1] Commonly referred to as 'Walter's system' on the basis that it was developed by former City Council City Arborist Walter Fielding-Cotterell. At the time of development the Royal New Zealand Institute of Horticulture Tree Evaluation System was the nationally recognised system for evaluating trees.

- Tree form (shape) and condition are in a single category ("Form, Condition"). Shape is a different criterion to condition. Condition is made up of two assessments – the physical structure of the tree's branches, trunk and roots and the health of the tree (vigour and vitality). These should be split in to separate criteria to allow for more robust assessment of overall condition;
- Under "Form, Condition" if the tree is "dying, dead, bad structural defects or dangerous" it states "protection not valid". This means that should the tree score maximum points in all other categories the tree could not be protected despite its significance in the other categories. It is possible for a tree with poor form to also be in a healthy condition;
- The "Age" criterion does not reflect the decreasing number of old trees in urban Christchurch and therefore their importance in the landscape – trees that are 50 years old receive either 2 or 4 points out of a maximum 32 points, dependant on the assessor;
- There is no recorded rationale explaining the points scoring system and spread;
- It is not a nationally recognised system for evaluating a tree;
- It is not in line with current New Zealand best practice or arboricultural industry standards;
- There is no ability to award a tree higher points for international distinction;
- It is possible for a tree to score 32 points in say, "Age", and score poorly in all the other categories and still qualify for District Plan protection;
- It is possible, for an "average" tree to qualify for District Plan protection i.e. scores 4 points in all categories. It is unlikely that a single tree would score 4 in all categories; however a tree scoring a mixture of medium and low scores can still qualify for District Plan protection.

The above issues would create difficulties defending the existing assessment criteria for significant trees, should it be challenged.

For these reasons the assessment system for tree evaluation was changed to STEM+ as part of the District Plan Review.

The assessment work undertaken to review the schedule of Heritage and Notable Trees was undertaken using STEM+.

3.2 New Assessment Methodology STEM+

The new assessment methodology STEM+ is based on the Standard Tree Evaluation Method (STEM) which is the nationally recognised method for evaluating trees[2].

STEM was specifically designed by arborists and landscapers for New Zealand conditions and has been used for these purposes since 1996. It can be used to assess any amenity tree or group of trees including street and park trees.

The evaluation of a tree under STEM considers three categories: condition, amenity and notability.

The condition category assesses form (structure and shape), occurrence of the species, vigour and vitality (health), function and age.

[2] STEM is recognised by the New Zealand Arboricultural Association and the Royal New Zealand Institute of Horticulture.

The amenity category assesses stature, visibility, proximity, role and climate.

The notable category assesses stature (feature and form), historic (age 100+, association, commemoration, remnant, relict), scientific (source, rarity, endangered).

Trees are rated from poor through to excellent for each category and awarded points. The notability section is for trees considered to have exceptional characteristics or qualities (e.g. heritage trees). Problem trees (e.g. trees causing nuisances such as shade, debris) can have marks deducted due to their nuisance value.

STEM (or a modified version of) is used by other territorial authorities in New Zealand (including Wellington, Tauranga, New Plymouth, Lower Hutt, North Shore, Hauraki, Queenstown Lakes, Dunedin, Wanganui, Hastings and former Auckland Districts (e.g. Waitakere, North Shore and Rodney) as the guiding criteria for assessing the significance of a tree.

While STEM provides a nationally recognised method of evaluating the significance of trees, it does have some limitations - principally that some of the categories are subjective (e.g. vigour, vitality, form, function, role, climate, proximity), meaning that different evaluators have the potential to reach different conclusions when evaluating the same tree (this problem is also present in the Council's current assessment system). The limitations associated with STEM have also been recognised by other Councils.

In view of these shortcomings STEM+ was developed by the Council's City Arborist, in consultation with other Council arborists and Senior Landscape Planner and two external arboricultural consultants. STEM+ was then used to assess non Council owned Heritage and Notable trees as part of the review of the District Plan.

STEM+ has also been peer reviewed by Mr Robert Graham, senior arboricultural lecturer at the Waikato Institute of Technology (refer to **Appendix 1A and 1B**).

Where the assessment is not an accurate measurement (e.g. height, width, diameter) arborist assessors have been instructed to assess and mark conservatively.

The key differences between the current assessment method, the original version of STEM and STEM+ are set out below. Principally, STEM+ is more comprehensive in its approach to tree assessment than the "Walter's System" and the original version of STEM.

	"Walter's System"	**STEM Original**	**STEM +**
Number categories evaluated	9	3	4
Number criteria evaluated	9	20	26
Allows for nuisance	No	Yes	Partially (allowance for nuisance is made in the assessment of "Suitability in the Landscape"[3])
Condition criteria	1 Structure, vigour and vitality all 3 together	2 Structure, vigour and vitality together	2 Structure, health
Amenity criteria	5 combined height/width in to crown size combines visibility and proximity in to importance of position in landscape	8 height or width (whichever is greater), individually assesses visibility and proximity but no specific criterion for importance	10 Changed to "Landscape" Shape, height, canopy dimension (m^2), trunk diameter, age, service life, visibility,

[3] See 4.1 Nuisance as to how nuisance is accommodated in the assessment procedure.

		of position in landscape, role and climate, occurrence of species	location, role, suitability
Environmental & Ecological	1 Covered under function however not possible to score multiple functions unless they are all the same percent effective.	3 Occurrence and function are included in "Condition" while climate is included in "Amenity". Evaluation is subjective as to how many points are allocated.	3 Separate category. Includes canopy dimension (m^3). Climate amelioration is included under "Services" which has been changed from "Function". Occurrence of species included here.
Notability	3 combines source, rarity and endangered in to one criterion called Scientific Botanical	10 criteria in 3 sub categories 5 criteria for historic; 3 criteria for scientific; 2 criteria for landscape	11 criteria in 3 sub categories 3 criteria for landscape 5 criteria for heritage 3 criteria for botanical

3.3 Procedure for Establishing the STEM+ Threshold Score

There is no national threshold score provided by STEM for determining whether a tree is significant enough to be listed, nor is there set criteria for how the STEM threshold score is determined. Research undertaken in relation to the approach used by other territorial authorities shows that each authority using STEM uses a different threshold score.

This is advantageous in that:

- it allows for a flexible assessment method which can be modified to a specific climate/context;
- given that different regions in NZ have different growth rates, STEM can be used in any region irrespective of climate and other growing conditions.

Setting an appropriate STEM threshold received special mention from the Commissioner in the Auckland Council District Plan (North Shore Section) Proposed Plan Change 36[4] on the basis that it was challenged by a number of submitters. Establishing the appropriate threshold for determining the inclusion of a tree, or group of trees for listing, is therefore very important.

Consideration has been given to how the STEM+ threshold score could be determined in a Christchurch context.

The three options were:

a. Pilot Study

Undertake a sample of the existing heritage and notable trees using the Council's arborists and tree services contractor to determine an appropriate threshold **prior to the full assessment** being undertaken.

This would involve setting a threshold score based upon a small number of trees.

This option was considered inappropriate because:

[4] http://www.aucklandcity.govt.nz/council/documents/districtplannorthshore/changes/pc-36-notable-trees/pc36decisionnotice.pdf

- small sample – would not be fully representative and could skew the scores, resulting in an inappropriate threshold score;
- District Plan Review Timeframes – time taken for a pilot study to be undertaken may cut into assessment time;
- seasonal nature of trees – a pilot study would need to be undertaken in the winter months. Deciduous trees have already lost their leaves and therefore no examples of that tree type could reasonably be included in a pilot study. Based on the Council's timing restrictions for the assessment work under the District Plan Review, any pilot sample would not be representative;
- pre-determined threshold – technical experts undertaking the assessment work/peer review may consciously/unconsciously manipulate scores for any tree(s) if otherwise the tree may fail a predetermined threshold. There is always the risk that assessors will backfill to reach a known threshold and, even if they don't, that is likely to be a fairly predictable criticism.

b. Develop the Threshold Over the Course of the Assessments

This would involve using all of the assessment data over the period of the project to ascertain appropriate threshold(s) with the final threshold being derived towards the end of the project.

This approach also has limitations as setting the threshold part way through the process is likely to involve subjective elements as well. e.g. when you get part / half way through the sample and set the threshold, an element of either conscious or unconscious manipulation of scores could then become present in the remaining evaluations. It can also lead to inconsistencies in assessment between those trees assessed prior to establishing the threshold and those trees assessed after establishing the threshold.

c. Undertake the Assessment Work for All Trees Then Establish a Threshold

This was the approach used by Rodney District Council in their Proposed Plan Change 149.

Establishing the threshold score after the assessments have been undertaken is advantageous for the following reasons:

- it will remove the subjectivity associated with a pre-determined threshold (i.e. trees are assessed as they are seen by the assessor rather than the assessor trying to make a tree fit the threshold);
- It allows the whole sample to be taken into account when determining the threshold score;
- It is a more efficient use of staff and consultant time in the initial setting up phase;

Legal advice was sought on these options and Option C was recommended as the preferred approach.

It should however be noted that risk was still associated with this approach:

- the partial review of the existing tree schedule would result in a reduced number of trees being assessed, thereby minimising the sample size upon which to base a threshold score (albeit the sample will be based on a relatively large number - hundreds of trees - that are assessed);
- the threshold score will also be determined from a base of trees already determined as being of significance to warrant them being scheduled – an ideal approach would be to sample a wider

range of trees, including those which are not listed, or are afforded other types of protection (e.g. subdivision trees).

However, in view of the truncated timeframes for the District Plan Review, Option C was considered to be the most robust means of determining the threshold.

In the development of the STEM+ threshold score consideration was given to whether different scores are required for different situations – for example, separate scores for natives/exotics in recognition of the different growth rates of these species and individuals/groups.

Trees that are listed in the Schedule of Significant Trees have the highest legal protection afforded to trees in Christchurch and therefore should be among the City's top echelon trees.

"Significant" trees should be:

- large enough to be noticed or have an effect : very important : having a special or hidden meaning (Webster Miriam);
- sufficiently great or important to be worthy of attention, noteworthy (Oxford).

For a tree to be defined as "significant" and worthy of being included in the Schedule of Significant Trees it should be considered as significant for a combination of its condition, landscape and environmental/ecological values and meet the following criteria:

- have longevity in the landscape(service life); and
- be above average in structure, health, shape and suitability in the landscape; and
- not be causing a "safety" nuisance where there is no mitigation available; and
- have a considerable stature (either height or width); and
- score a minimum number of evaluation points.

Additionally, there may be cases where a tree or group of trees does not meet the above criteria but has "exceptional" qualities which may, in themselves, qualify the trees for inclusion in the Schedule of Significant Trees (e.g. the kowhais in the Templeton Golf Course grounds which have poor to average condition and shape and are relatively small in stature, but are considered to be over 160 years old and one of the last 1% of remnant plains vegetation – see Appendix 4).

Where the tree or group of trees has a structure and health assessment of average, good or very good, and where at least one of the Exception values is ranked at a minimum of City level, expert testimony (i.e. landscape architect, arborist, historian, and botanist) will be used to determine whether or not the tree should be included irrespective of whether or not it meets the above criteria. The exception to this is native trees that do not meet the criteria for native trees but have been awarded points for being listed as a Ngai Tahu taonga plant species. To protect these trees without meeting the criteria for native trees would mean protecting at a species level and would be contradictory to RMA S76 4Cc which prohibits blanket tree protection rules on Urban Environmental Allotments (e.g. the group of native trees at 1 Martindales Road).

3.4 Criteria for Individual Trees

<u>Exotic trees</u>

- estimated service life in excess of 20 years (longevity in the landscape); and

- structure, health, shape, suitability in the landscape to be assessed as either good or very good; and
- not be causing a "safety" nuisance where there is no mitigation available; and
- a minimum of 15 metres height or an average of 10 metres width; and
- score a minimum total number of 770 evaluation points (including any points awarded under the "Exceptional" evaluation).

770 evaluation points was the lowest score for an exotic tree when the criteria in the first 4 bullet points were applied.

New Zealand native trees

- estimated service life in excess of 20 years (longevity in the landscape); and
- structure, health, shape, suitability in the landscape to be assessed as either good or very good; and
- not be causing a "safety" nuisance where there is no mitigation available; and
- a minimum of 10 metres height or an average of 8 metres width; and
- score a minimum total number of 690 evaluation points (including any points awarded under the "Exceptional" evaluation).

690 evaluation points was the lowest score for a native tree when the criteria in the first 4 bullet points were applied.

3.5 Criteria for Groups of Trees

Group of Trees means a cluster, grove, or line of trees (including the root systems) that may be the same or variable species, either planted or naturally occurring that:

- are located in close geographic proximity to each other and meet at least one of the following criteria:
    - canopies are touching; or
    - canopies are overlapping; or
    - there is the potential to form a closed canopy; or
    - are environmentally dependant upon each other where the loss of one or more of the trees would have a detrimental effect on all or part of the remaining trees; or
    - have an obvious level of visual connectivity through having a similar or complimentary sense of scale or form or age or colour or texture; and
    - must not be dispersed, dissected, interrupted, or traversed by a road (including unformed roads) or an empty allotment (that is, an allotment with no notable trees that form part of that group).

Similar criteria can be used for groups of trees however the threshold for inclusion/exclusion will be higher than the threshold for individual trees as groups of trees are a larger entity than an individual tree and will therefore score higher overall. A group of trees can consist of two or more trees.

Exotic or a mix or New Zealand native and exotic trees

- estimated service life in excess of 20 years (longevity in the landscape); and

- structure and health to be assessed as either good or very good; and
- shape and suitability in the landscape to be assessed as average[5], good or very good; and
- not be causing a "safety" nuisance where there is no mitigation available; and
- a minimum of 15 metres height or an average of 10 metres width; and
- score a minimum total number of 910 evaluation points (including any points awarded under the "Exceptional" evaluation).

910 evaluation points was the lowest score for a group of trees when the criteria in the first 4 bullet points were applied.

New Zealand native trees

- estimated service life in excess of 20 years (longevity in the landscape); and
- structure and health to be assessed as either good or very good; and
- shape and suitability in the landscape to be assessed as average, good or very good; and
- not be causing a "safety" nuisance where there is no mitigation available; and
- a minimum of 10 metres height or an average of 8 metres width; and
- score a minimum total number of 870 evaluation points (including any points awarded under the "Exceptional" evaluation).

870 evaluation points was the lowest score for a group of native trees when the criteria in the first 4 bullet points were applied.

3.6 Criteria for Street, Park and Council Owned Open Space Trees

It is difficult to use the same criteria for non Council owned trees as:

- shape would hardly ever be evaluated as being above average (a large amount of street trees would be assessed as either poor or very poor) as they are highly modified due to the amount and type of pruning necessary i.e. removing of lower branches so as not to obstruct pedestrians or vehicles, overhead services clearance;
- suitability in the landscape would be evaluated as either poor or very poor as trees can cause damage to kerb and channel, footpaths vehicle entrances etc;
- the Council has a large number of trees where the condition rating would be average(structure and health).

It is therefore more appropriate that Christchurch emulates Auckland and Ashburton Councils and use tree height as the threshold for significance.

When considering the range of species planted in streets and parks, the average growth increment for healthy street and park trees in Christchurch is estimated by the Council's arborists at between 200mm - 300mm per annum for street trees and 300mm – 350mm per annum for park trees.

This means that by the time a tree reaches 6 metres height a street tree is between 20 and 30 years old and a park tree is between 17 and 20 years old.

[5] An assessment of "average" for shape will mean that the maximum score under Suitability in the Landscape will also be "average".

This represents a significant investment by the Council in maintaining the tree, particularly in the case of a street tree where there are more frequent maintenance activities undertaken due to the tree being positioned in the road corridor.

It is also a significant amount of time that the tree provides environmental, economic, social and cultural tree services to the community.

Given the above, it is felt that street trees 6 metres in height should be considered significant enough for protection.

It is not the intention, nor would it be appropriate, to protect shrub borders or hedges in parks.

Therefore a higher size threshold of 10 metres is considered appropriate for trees in parks.

3.7 Assessment Methodology

The assessment sheet in the Statement of Significance sets out the specific categories for tree evaluation using the STEM+ criteria (refer to **Appendix 3 and 3A**). This should be read in conjunction with the following detailed explanation of the STEM+ criteria, together with explanatory text identifying how these assessment criteria have been derived and were applied.

The following amendments and additions to the original version of STEM are designed to obtain a more robust assessment by introducing fresh assessment criteria and to gain consistency in marking by reducing subjectivity and ambiguity.

3.7.1 Scoring System

Points are awarded under each of the criteria and recorded in the right hand column of the sheet. Only those points in the form may be used (with the exception of "Role" and "Canopy Size" which may be scored as zero).

The original version of STEM expresses the merits of a tree by awarding points which can be related to percentages:

Points	**3**	**9**	**15**	**21**	**27**	**30**
Points as Fractions	3/30	9/30	15/30	21/30	27/30	30/30
As Smaller Fractions	1/10	3/10	5/10	7/10	9/10	10/10
As percentages	10%	30%	50%	70%	90%	100%

It is important to appreciate that perfection in an organic object is an "extreme statement" (Flook, 1996 p13) and it is widely recognised that there is no such thing as a perfect tree. Accordingly, no tree or group of trees will ever score 100% in any criteria.

Following a peer review of STEM+, the scoring system has been amended to reflect a greater range of category differentiation – the scores fully reflect the percentage suggestions that are given in STEM (i.e. 10% - 90%, instead of 3-27 points).

The increase of points from the current maximum of 27 to 90 gives a wider points range and allows for a greater differentiation between trees, thus reflecting a range of tree qualities through a wider band of possibilities.

This aligns STEM+ to other international valuation systems (such as the Council of Tree and Landscape Appraisers Method sanctioned by the International Society of Arboriculture).

4. Technical Assessment Process

Prior to the project commencing, STEM+ and the assessment procedures were discussed in workshops conducted by the City Arborist involving the Council's Senior Landscape Planner, as well as the Council's internal arborists and two external consultant arborists.

Independent peer review of the assessment criteria was undertaken by Mr Robert Graham, the head arboricultural lecturer at the Waikato Institute of Technology, prior to the commencement of fieldwork to ensure that the STEM+ methodology is suitably robust. The STEM+ criteria were field tested by the Council arborists and two external consultants and amendments made prior to implementation. Slight amendments were also made at the beginning of the assessments.

Tree evaluation assessments were conducted by appropriately qualified and experienced consultant arborists. To avoid over assessing trees and groups of trees were assessed conservatively. This means that those trees that are truly average trees are excluded from the list. Trees and groups of trees that are on the border of average/good will also be excluded from the list.

The site assessments were conducted to:

- Confirm if the tree(s) is still there;
- Determine if the health and structural integrity of the tree warranted inclusion in the new District Plan;
- Complete an assessment of the contribution by the tree to landscape and environmental/ecological values;
- Record any exceptionally significant landscape, heritage and botanical values that the tree(s) may have and at which level those values were appropriate; and
- Record the presence of nuisance (including safety nuisance[6]) and whether or not there were any measures that are available to mitigate any nuisances.

A Flow Diagram (**Appendix 2**) – sets out the procedure followed for the assessment of both individually listed and groups of trees[7], incorporating the steps to be undertaken for fieldwork, supply of information required for the Statement of Significance, and subsequent peer review.

Peer reviews included site visits as required to confirm the accuracy of scoring and were undertaken by the consultant's quality assurance assessor in conjunction with the arborist assessor. In addition to this a "common sense" review was undertaken by the City Arborist once the Statements of Significance were developed. This was a check of each photograph to identify any anomalies and resulted in a reassessment of 18 trees by the consutant. As a result of this 12 tree assessments were

[6] "Safety Nuisance" factors are those nuisances that pose a threat to the safety of human health and property by virtue of the species – i.e. poisonous - or the tree compromising the structural integrity of surrounding infrastructure or buildings.

[7] Groups of trees were assessed using the definition of a Group of Trees that has been developed by the Council's Senior Landscape Planner, internal arborists, two external arboricultural consultants and the Principal Landscape Architect from Opus International Consultants Ltd. The definition is based on MFE's guidance of what constitutes (or does not constitute) a group of trees.

amended and those trees removed from the proposed Schedule of Significant Trees (i.e. 11 citywide and 1 in the Central City).

Site visits were coordinated, where possible, to make the most efficient use of travel time.

Where a tree or group of trees was identified as being worthy of scoring in the Exceptional Evaluation section (refer to the STEM+ scoring sheet set out in the Statement of Significance – **Appendix 3 and 3A**), on account of its landscape significance, historical significance, or botanical significance this triggered, where appropriate, the requirement for specialists in the required field (i.e. landscape evaluation – landscape architect etc) to review and verify the assessment score.

4.1 Nuisance

The tree assessment procedure includes identification of the presence of nuisance factors. Presence of nuisance was recorded based on the arborists' professional experience when communicating with the public with tree nuisances and also where residents specifically mentioned their presence.

This is in accordance with:

- Auckland City Council Proposed Plan Change 36 (North Shore Section) approach in response to Commissioners' comments regarding the assessment of matters under Part 2 of the RMA – "*a balancing of the relative advantages in terms of amenity for the wider community that might arise from the scheduling of that tree and the effects on the social, economic and cultural well-being and the health and safety of the owners and occupiers of the property affected by the scheduling*".
- Commissioners' decision on Auckland Council (Waitakere Section) Plan Change 41 in regard to consideration of Part 2 of the Act:

  "*In terms of Part 2 of the Resource Management Act 1991;*

a. *We have paid particular attention to the well being, health and safety of people, and the amenity and quality of the environment they can reasonably be expected to enjoy, where trees exist in close proximity to buildings, particularly residential buildings;*
b. *In reaching an overall broad judgement, often where we have been required to balance the merits of scheduling a tree against the actual or potential adverse effects of that tree on property owners and occupiers, we have carefully weighed the impact of tree protection on the property where the tree is located and on surrounding properties;*
c. *We have determined that for 52 trees, or groups of trees, in response to the submissions received, that although the arboricultural merits of these trees are high, or in many cases significant, the actual or potential adverse effects that either currently exist, or are most likely to occur in the foreseeable future, outweigh the need for these trees to scheduled."*

The nuisance factors which were identified are those that are the most common complaints to the Council regarding trees.

Nuisance factors were addressed as follows:

1. The consultant undertaking the tree assessment recorded the presence of nuisance factors, whether or not there is a property maintenance or arboricultural or potential engineering or medical solution (i.e. human health issues that can be treated by medication, dietary modification) available, and what that solution is, at the same time as the on-site tree assessment. The presence of these is identified within the Statement of Significance.

2. The presence of "Safety Nuisance" factors (i.e. which pose a threat to the safety of human health and property by virtue of the species (e.g. poisonous or allergenic association) or by virtue of the tree compromising the structural integrity of surrounding infrastructure or buildings was identified along with any property maintenance or arboricultural or potential engineering or medical solutions for mitigating these.

Where it was considered that there were no mitigating solutions for "Safety Nuisance" that involved structural damage to infrastructure or buildings, this triggered the requirement for an on-site review by the City Arborist and, if required, a structural engineer.

Where a "Safety Nuisance" factor cannot be mitigated (except where the tree was present before the infrastructure or buildings), the tree was not considered as appropriate for listing in the new schedule of Significant Trees.

Damage to infrastructure and property as well as debris are partially assessed under Suitability in the Landscape. The presence or likelihood of these was used to determine the appropriate points score allocated to the tree in that criterion.

It is proposed that any assessment of other nuisance factors (e.g. shade) is undertaken upon public submission.

Only the nuisance factor submitted on is to be assessed.

An appropriate methodology for assessing nuisance may be required to be developed.

4.2 Condition Evaluation

The "Condition Evaluation" in STEM+ assesses tree health and tree safety and has separate criteria for the structural condition (safety) and health condition of the tree. There are quantifiable ranges for scoring.

Condition evaluation was assessed by an appropriately qualified and experienced arborist.

This assessment is to justify the inclusion of the tree(s) in the District Plan as significant trees or groups of trees and also to satisfy the requirement under Part 2 of the RMA that allows for consideration of the health and safety of the owners and occupiers of the properties affected by the scheduling of a tree(s).

The assessment was undertaken by visual means only and therefore did not apply scientific calculations or tests or other means when determining the scores for structure and health.

The details under "Description" (see tables in "Structure" and "Health") are an established process and currently used by the Council's arborists, including the tree services contractor, when assessing the condition of Council owned trees for the Council's asset management system. The percentages for health are to be marked conservatively. These details have been used by the Council since 2008 and were reviewed by the Council arborists and tree services contractor in 2012.

The points awarded are not placed in to ranges (i.e. 0–10, 11–30, 31–50 etc) as this would introduce a layer of subjectivity.

Groups of trees were averaged and not individually assessed.

Points	**10**	**30**	**50**	**70**	**90**	**Score**
Structure	Very Poor	Poor	Fair	Good	Very Good	
Health	Very Poor	Poor	Fair	Good	Very Good	

4.2.1 Structure

This is an assessment of the structural integrity of a tree's branches, trunk and roots. It considers defects such as cavities, cracks, presence of decay, bleeding/sap flow, wounding and previous failure (e.g. storm damage, mower damage), ground cracking, root plate slumping or heaving, girdling roots, included unions (e.g. branch bark ridges that are included (concave) are considerably weaker than those with a prominent ridge line (convex), trunk taper, excessive end weight, dead branches, loose/cracked bark.

Points	**Condition Rating**	**Description**
10	Very poor	Tree dead or state of severe decline. Total loss of structural integrity of tree. Tree maintenance cannot improve the framework or the continued well-being of tree. Defects (including roots and trunk taper) result in loss of structural integrity, and cannot be rectified.
30	Poor	Tree maintenance unlikely to improve the framework or the continued well-being of tree. Defects (including roots and trunk taper) result in loss of structural integrity, and unlikely to be rectified.
50	Fair	Defects (including roots and trunk taper) present, but can be rectified in order to maintain the structural integrity and continued well-being of tree.
70	Good	Defects (including roots and trunk taper) do not affect structural integrity or continued well-being of tree.
90	Very Good	No structural defects or abnormalities.

4.2.2 Health

Tree health assesses both vigour and vitality.

Vitality is described as growth efficiency. Trees with higher growth efficiency are more likely to effectively resist strain from, and respond to, biotic and abiotic factors.

Vigour is described as the tree's ability to grow and survive in the position that it occupies.

When assessing a tree's health the following are assessed:

- leaf colour;
- leaf necrosis;
- shoot growth;
- fruit set;
- live crown ratio;
- foliage density;
- leaf size;
- wound wood;
- absence/presence of lichens on small diameter branching;
- dieback;
- pests and diseases.

Points	Condition Rating	Description
10	Very poor	Tree in more than approximately 70% state of decline.
30	Poor	Tree in approximately 31-70% state of decline.
50	Fair	Below average for species. Tree in approximately 21-30% state of decline.
70	Good	Representative of the species. Tree in approximately 6-20% state of decline.
90	Very Good	Above average for species. Tree in no more than approximately 5% state of decline.

4.3 Landscape Evaluation

"Landscape Evaluation" under the STEM+ evaluation requires analysis of trees in relation to the following matters:

- assessment of a tree's shape;
- assessment of the tree's stature i.e. the height or width, whichever is the greater;
- assessment against criteria for the tree's canopy dimension (m^2);
- assessment of the tree's trunk diameter (DBH);
- assessment of the tree's age;
- assessment of the tree's service life (longevity in the landscape);
- assessment against criteria for the tree's visibility (how far it can be seen from);
- assessment against criteria for the tree's location (how many people can see the tree and how often the tree can be seen);
- assessment against criteria for the tree's role;
- assessment against criteria for the tree's suitability in the landscape.

The attributes for a Group of Trees will be assessed as a single entity and not for each individual tree itself, however the individual measurements for height, crown spread and DBH will be recorded for each tree.

The original version of STEM has criteria for climate included in the landscape assessment. As a tree's ability to ameliorate the climate (i.e. providing shade and shelter), this has been incorporated in to the Environmental Evaluation under "Services".

The following criteria and descriptors have been developed in consultation with the Council's Senior Landscape Planner with the aim of improving objectivity in the absence of specialist landscape assessment.

Points	10	30	50	70	90	Score
Shape	Very Poor	Poor	Fair	Good	Very Good	
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	
Canopy Dimension (m²) Broadspreading	≤10	11 to 25	26 to 57	58 to 100	101+	
Canopy Dimension (m²) Pyramidal	≤12	13 to 33	34 to64	65 to 100	100+	
Canopy Dimension (m²) Palm/Cabbage tree	≤36	37 to 72	73 to 120	121 to 280	280 +	
Trunk Diameter (cm)	≤50	51 to 75	76 to 100	101 to 125	126+	
Age (yr)	≤10	10 to 20	21 to 35	35 to 50	50+	
Estimated Service Life	0 – 5	5 – 10	11 – 20	21 – 30	30 +	
Visibility (km)	Obscured	≤ 1	1 > ≤ 2	2 > ≤ 4	4 >	
Location	Location 1	Location 2	Location 3	Location 4	Location 5	
Role	20	40	60	80	100	
Suitability	Very Poor	Poor	Fair	Good	Very Good	

4.3.1 Shape

Shape is a measure of how the tree would naturally grow (i.e. "true to form"), undamaged by either natural or un-natural forces. With the exception of very large open spaces, there will be very few trees that grow "true to form" in an urbanised area as pressures from pedestrian and vehicular traffic, overhead services, presence of close by buildings, affect the ability of the tree to co-exist in an unaltered state.

The details under "Description" are an established process and currently used by the Council's arborists, including the tree services contractor, when assessing the condition of Council owned trees for the Council's asset management system. These details have been in use since 2008 and were reviewed by the Council arborists and tree services contractor in 2012.

"Missing, Modified or Misshapen" means both natural occurrences (e.g. storm damage, windswept, growth extending beyond the main canopy, shedding of branches through natural processes) as well as pruning (including clipping in to a particular shape) and mechanical damage.

Groups of trees with a mixture of species were not assessed for being "misshapen" as there is no natural shape for a group of trees and therefore true canopy shape is difficult to assess. Groups of trees with a mixture of species were only assessed for the percentage of canopy missing or modified.

Points	Condition Rating	Description
10	Very Poor	More than approximately 70% of canopy shape missing, modified or misshapen.
30	Poor	Approximately 31-70% of canopy shape missing, modified or misshapen.
50	Fair	Approximately 21-30% of canopy shape missing, modified or misshapen.
70	Good	Approximately 6-20% of canopy shape missing, modified or misshapen.
90	Very Good	No more than approximately 5% of overall canopy shape missing, modified or misshapen.

4.3.2 Stature

This criterion assesses either the height or width of the tree, whichever is the greater.

Where the entire crown of the tree was not accessible the accessible part was measured and the remainder estimated.

Groups of trees were assessed at their highest and widest points, not averaged.

4.3.3 Canopy Dimension

Canopy dimension is a measure of a tree's size as a visual feature in the landscape. It is measured in m^2 and is based on the following calculations [8] obtained from Council's transport and road engineers:

- Half circle –$1/2\pi r^2$;
- triangle – 1/2wh;
- rectangle - wh.

[8] w = width, h = height, r = radius

Tree shapes can broadly fit into three mathematical formulae:

- Broad spreading as a half circle;
- Conifers as a triangle;
- Palms and cabbage trees as a rectangle.

The measurement for the tree's canopy is the width or radius of the drip line plus the height of the canopy (i.e. from the bottom of the canopy to the top of the canopy, NOT the base of the trunk to the top of the canopy).

Trees are dynamic beings, changing regularly through growth and shedding or pruning of limbs as well as responding to environmental stimuli which also affect their shape. Where a tree does not neatly fall in to any particular formulae (i.e. how the species would naturally grow), the nearest formula to the tree's shape was used.

Where a tree has been severely disfigured so as to not fit within any of the shapes it may have been precluded from marking under this section. A digital photograph of the tree was taken to show the canopy disfiguration.

Groups of trees were assessed as an entity, with the dimension for width being the average of the north/south and east/west measurements and the dimension for height being the average of the collective heights.

4.3.4 Trunk Diameter

Trunk diameter is an internationally recognised measurement for indicating the size of the tree.

Trunk Diameter is measured at 1.4 metres from the ground level (Diameter at Breast Height or DBH).

For trees with multiple trunks, such as pohutukawa, the diameter measurement is the collective measurement of all trunks with a diameter of 100mm or more.

For trees on slopes the measurement is taken at the highest point on the ground touching the trunk.

Where the entire trunk of the tree was not accessible the accessible part was measured and the remainder estimated.

Diameter measurements for Groups of Trees are an average of all trees within the group. Where a tree with multiple trunks is in a Group of Trees, the diameter measurement is the collective measurement of all trunks with a diameter of 100mm or more.

4.3.5 Age

The loss of mature trees leaves a gap in the environmental and amenity services that those trees provide to the community; therefore age is an important part of assessing a tree's merits.

Development and intensification are placing pressure on the ability to retain large mature trees on private land and it is becoming increasingly uncommon to see trees in excess of 50 years old in urbanised areas that are not on public land. This has been reflected in a modification to the original STEM age ranges (the original version of STEM has the highest score set at 100+ years).

Points are awarded after the tree has been assessed by a qualified arborist who has working knowledge of trees and their respective growth rates in Canterbury.

Groups of trees were averaged.

4.3.6 Service Life

Service life is a measure of the tree's longevity in the landscape and means the tree's estimated remaining life span that the tree continues to provide environmental, economic, social and cultural services to the community with an acceptable level of tree safety.

As this is a subjective evaluation it:

- was undertaken by an appropriately qualified arborist; and
- is based on the tree's condition at the time of assessment; and
- is a conservative estimate.

This evaluation does not consider future unforeseen effects on the tree e.g. changing conditions, storm damage, inappropriate pruning, mechanical or other damage that causes internal decay.

Points	Estimated Service Life (Yrs)
10	0 - 5
30	5 - 10
50	11 - 20
70	21 - 30
90	30+

4.3.7 Visibility

Visibility is a measure of the prominence of the tree in the wider landscape (i.e. commercial, industrial, urban or rural areas). It is a measure of how far the tree can be seen from, and different from Location, which is a measure as to the frequency of viewing.

Distances were taken using a naked eye unassisted (with the exception of prescription glasses or contact lenses) and can be from vantage points on the flat (including a ship at sea) but can not be viewed from an aircraft or balloon.

The tree may be viewed from a building or hill where it is reasonable to expect that people would ascend the building or hill in the normal course of business or leisure activities (i.e. you can not climb the building or hill just to see the tree).

The tree must clearly stand out separately from other trees.

The visibility ranges have been adjusted to accommodate Christchurch's topography and built environment.

Points	Rating	Description (km)
10	Very Poor	Totally obscured by other trees or structures
30	Poor	≤ 1
50	Fair	1 > ≤ 2
70	Good	2 > ≤ 4

90	Very Good	4 >

4.3.8 Location

Location is a measure of how many people see the tree(s) and is based on site profile (e.g. road hierarchy or major sports stadium versus rural road or rural park).

The tree is assessed based on where it is located. e.g. if the tree is located in an urban park that borders an urban arterial road the location is that of urban park - Location 4. Where a tree is located in a private residence (or commercial property that is not listed below) the location is the road hierarchy that the private residence or commercial property is located on i.e. local rural road, local urban road etc. It is not assessed on how far the tree can be seen from as this is assessed under Visibility.

- Educational facilities means universities, polytechnics, colleges, schools (not including pre-schools)
- Health facilities means public or private hospitals
- Cultural facilities means maraes, community centres on private land
- Urban Park means Sports Park, Neighbourhood Park, Cemetery, Garden and Heritage Park, Regional Park.

Points	Location	Location description
10	Location 1	Local rural road; or Urban private ROW;
30	Location 2	Local urban road; or Rural collector road; or
50	Location 3	Rural industrial estate; or Rural arterial road; or Urban collector road;
70	Location 4	Urban park; or Suburban centre; or Urban industrial estate; or Cultural facilities; or Places of religious worship;
90	Location 5	Urban arterial road or State Highway; or Public mall; or Educational facilities; or Health facilities; or Major sports stadium e.g. Eden Park, AMI Stadium, Westpac Trust Stadium; or Botanic Gardens; or City central business district;

4.3.9 Role

This criterion in the original version of STEM assesses the visual and amenity contribution made by a tree in a location and assesses the following:

- Contribution to setting;
- Association with tradition;
- Reviving cultural images or serving commemorative purposes;
- Enhancing or concealing both desirable or undesirable views;
- Attractive to fauna;

- Lending serenity to an open space;
- Contributing to property values;

It has been revised by the Council's Senior Landscape Planner to only assess:

- Traffic calming;
- Visually screening (includes privacy as well as unsightly views/objects);
- Contribute to property values[9];
- Visually soften hard surfaces;
- Source of food for, or medicinal use by, humans.

"Association with tradition" and "reviving cultural images or serving commemorative purposes" are assessed under the "Exceptional" category; "attractive to fauna" is assessed under the "Environmental and Ecological" category.

"Contribution to Setting" and "Lending serenity to an open space" are considered as roles that require specialist landscape architect assessment. Having to adapt the approach to assessing the trees due to the truncated timeframes for the District Plan Review, assessment of these two criteria has not been undertaken This has resulted in the likelihood that most trees have been under assessed for their role in the landscape.

Role is scored out of a possible 100 points – i.e. each role is worth 20 points.

Role	Points
Traffic Calming	20
Visual Screening	20
Contribute to Property Values	20
Visually Soften Hard Landscapes	20
Food Source or Medicinal Use by Humans	20
Total	100

Where a tree is considered to be providing a role, multiply the points by a factor of one. Where a tree is not considered to be providing a role then multiply the points by a factor of zero (see table under Example below).

Where a tree scores < 50 points for either Health or Shape, as a general rule, it is not considered to be contributing to property values and should record a score of zero in that role.

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[9] Dixon, K. K., and K. L. Wolf. 2007. Benefits and Risks of Urban Roadside Landscape: Finding a Livable, Balanced Response. Proceedings of the 3rd Urban Street Symposium (June 24-27, 2007; Seattle, WA). Washington D.C.: Transportation Research Board of the National Academies of Science.
Anderson, L. M., & H. K. Cordell. 1988. Residential Property Values Improve by Landscaping With Trees. *Southern Journal of Applied Forestry* 9: pp. 162-166
Wolf, K. L. 2004. Trees, Parking and Green Law: Strategies for Sustainability. Stone Mountain, GA: Georgia Forestry Commission, Urban and Community Forestry

Ohio Dept of Natural Resources, Division of Forestry http://forestry.ohiodnr.gov/urban

South Carolina Forestry Commission, http://www.state.sc.us/forest/urbben.htm
University of Washington, http://depts.washington.edu/hhwb/Thm_Economics.html

Example:

The fictitious tree assessed scores 60 points (see table below) as it is considered to be providing traffic calming, contributing to property values and visually softening hard surfaces. It is not considered to be providing visual screening or is a food source or medicinal use by humans. It is therefore awarded 50 points for Role (refer table in 4.3).

Role	Points	Factor	Score
Traffic Calming	20	1	20
Visual Screening	20	0	0
Contribute to Property Values	20	1	20
Visually Soften Hard Landscapes	20	1	20
Food Source or Medicinal Use by Humans	20	0	0
Total	100		60

N.B. It is possible that some trees may not have a role in the landscape when solely applying using these criteria e.g. a tree in an open paddock or park). Where a tree scores zero for role a score of zero is to be recorded in the assessment sheet.

4.3.10 Suitability in the Landscape

Suitability in the landscape is based on a tree's health and structural integrity as well as its visual appeal.

Visual appeal is measured by its shape, as shape of the tree is a direct correlation to its visual aesthetics.

It is also based on whether or not the tree is causing damage to buildings, property or infrastructure and the likelihood of effective mitigation measures.

Infrastructure means underground or overhead services (including ancillary equipment such as electrical connection boxes), kerb and channel, road and footpath surfaces.

Buildings means residential buildings or structures (including garages, swimming pools, tennis courts but excluding garden sheds, glass houses, pergolas etc) or places of business, education, social gathering, recreation (e.g. community halls, schools, churches, sports club rooms).

Property means private paths, driveways, fences, garden sheds, glass houses, pergolas etc.

Unhealthy or structurally unsound trees, badly misshapen trees or trees that are causing damage to buildings, property or infrastructure (where there is no likelihood of effective mitigation) are not considered as suitable in the landscape.

The lowest scoring descriptor is the defining attribute when scoring this section i.e. if a tree scores 50 for shape (i.e. "Fair) but the tree is causing damage to infrastructure or buildings where there is no possibility of an engineered, arboricultural or property maintenance solution, the tree defaults to a score of 10 and is rated as "Very Poor".

Points	Rating	Description
10	Very	Tree scores ≤50 for Condition; or

	poor	Tree scores 10 for Structure, irrespective of any other score; or Tree scores 10 for Shape, irrespective of any other score; or Tree is currently causing damage to infrastructure or buildings where there is no possibility of an engineered, arboricultural or property maintenance solution, irrespective of any other score
30	Poor	Tree scores 50>≤110 for Condition, irrespective of score for Shape; or Tree scores 30 for Shape, irrespective of total score for Condition ; or Tree currently causing damage to infrastructure or buildings which can be rectified or mitigated through an engineered, arboricultural or property maintenance solution; or Trees listed in the Inappropriate Trees and Plants list in the Christchurch City Council's Infrastructure Design Standards for debris problems; or Sheds fruit that is fragrantly objectionable e.g. Female Gingko biloba;
50	Fair	Tree scores 50 for Shape; or Tree likely to cause damage to infrastructure or buildings which could not be rectified or mitigated an engineered, arboricultural or property maintenance solution; or Tree currently causing damage to property which could not be rectified or mitigated through an engineered, arboricultural or property maintenance solution; or Trees listed in the Inappropriate Trees and Plants list in the Christchurch City Council's Infrastructure Design Standards for pest and disease problems; or Sheds debris that hinders grounds maintenance e.g. mowing
70	Good	Tree scores 70 for Shape; or Tree currently causing damage to property which can be rectified or mitigated through an engineered, arboricultural or property maintenance solution; and Tree does not meet any of the other criteria for very poor, poor or fair.
90	Very Good	Tree scores 90 for Shape; and Tree does not meet any of the other criteria for very poor, poor, fair or good.

4.4 Environmental and Ecological

"Environmental and Ecological" under the STEM+ evaluation is designed to evaluate a tree's environmental and ecological contribution and requires analysis of trees in relation to the following matters:

- assessment of the environmental and ecological services that the tree provides to the community;
- assessment against criteria for the tree's canopy dimension (m^3);
- assessment against the occurrence of the tree species.

Groups of trees were scored as an entity.

Environmental and Ecological Evaluation						
Points	**10**	**30**	**50**	**70**	**90**	**Score**
Services	10 to 19	20 to 39	40 to 59	60 to 79	80 to 100	
Canopy Dimension (m^3) Broadspreading	≤133	134 to 448	449 to1061	1062 to 2072	2073+	
Canopy Dimension (m^3) Pyramidal	< 93	93 to 231	232 to 521	522 to 894	895+	
Canopy Dimension (m^3) Palm/Cabbage tree	< 50	50 to 125	126 to 283	284 to 652	653 +	
Occurrence	Predominant	Common	Infrequent	Rare	Very rare	
Subtotal						

4.4.1 Services

Trees are multi functioning green infrastructure assets that provide essential environmental and ecological services which increase in quantity and quality as the tree(s) grows and decrease in quantity and quality as tree health declines.

"Services" is a measure of the number of Environmental and Ecological Services that the tree provides and is based on the environmental and ecological services that trees in general provide.

Overseas research has shown that the following are a broad range of Environmental and Ecological Services that trees provide:

- oxygen;
- improve air quality (carbon sequestration and removal of other gaseous and particulate pollution);
- manage and improve storm water run off and quality (improving quality relates to removing phosphorous, nitrogen and some metals in trace amounts, filtering and buffering for waterways);
- recycling of mineral nutrients;
- soil stabilisation and erosion protection;
- wildlife corridor, refuge, shelter or food source;
- critical habitat for indigenous or endemic flora and fauna;
- noise amelioration;
- shade (includes climate change amelioration such as urban heat reduction by cooling hot surfaces, pedestrian and cyclist comfort and UV protection, shading of waterways, buildings, playgrounds etc);
- shelter (from wind, rain, also rain interception).

Without the appropriate software programmes it can be difficult to quantify how effective a tree is at delivering those services as effectiveness is directly related to tree health (e.g. i-Tree is a state-of-the-art software suite from the United States Department of Agriculture Forest Service that provides urban forestry analysis and benefits assessment tools that quantify the environmental services that trees provide).

It is, however, possible to quantify the number of services that each individual tree or group of trees is likely to be performing. All trees will provide basic services (e.g. providing oxygen) however not all trees will be providing services such as soil stabilisation and erosion protection, or be critical habitats for indigenous/endemic flora and fauna.

While it is also possible to rank each service in importance to each other and have a scoring system based on the importance of those services to the environment and community, attempts to do this identified that this, in itself, is an extremely subjective process. It was felt that a simpler, less subjective method of identifying and scoring tree services would be required.

"Services" is scored out of a possible 100 points – i.e. each service is worth 10 points.

Where a tree is considered to be providing an Environmental and Ecological Service, multiply the points by a factor of one. Where a tree is not considered to be providing an Environmental and Ecological Service, multiply the points by a factor of zero.

Environmental and Ecological Services	Points
Provide Oxygen	10
Improve Air Quality	10
Improve Water Quality	10
Recycling of Nutrients	10
Soil Stabilisation and Erosion Protection	10
Wildlife Corridor or Refuge/Shelter or Food Source for Wildlife	10
Critical Habitat for Indigenous/Endemic Flora and Fauna	10
Noise Amelioration	10
Shade	10
Shelter	10
Total	100

Once the total number of services is quantified (i.e. total out of a maximum of 100 points), they can then be directly linked to the health assessment score under the "Condition Evaluation" to indicate how effective the tree is at delivering those Environmental and Ecological Services i.e. the healthier the tree the more effective it will be at delivering environmental and ecological services to the environment and community.

Example:

The fictitious tree assessed scores 60 points out of a possible 100 points for Environmental and Ecological Services (see table below) as it is considered to be providing oxygen, improving air quality, improving water quality, a wildlife corridor, shade, shelter. It is not considered to be providing recycling of nutrients, soil stabilisation or erosion protection, a critical habitat for indigenous/endemic flora or fauna, noise amelioration.

Environmental and Ecological Services	Points	Factor	Score
Provide Oxygen	10	1	10
Improve Air Quality	10	1	10
Improve Water Quality	10	1	10
Recycling of Nutrients	10	0	0
Soil Stabilisation and Erosion Protection	10	0	0
Wildlife Corridor or Refuge/Shelter or Food Source for Wildlife	10	1	10
Critical Habitat for Indigenous/Endemic Flora and Fauna	10	0	0
Noise Amelioration	10	0	0
Shade	10	1	10
Shelter	10	1	10
Total	100		60

Once assessed the tree can then be linked to the score received in Health as follows:

- Say the same fictitious tree that scored 60 points for "Services" also scored 70 points for Health;
- 70 points is the equivalent of 70% (refer 3.7.1);
- 70% (the points score for Health when turned in to a percentage) of 60 (the points the fictitious tree scored for "Services") is 42.

Environmental and Ecological Services	Points	Factor	Score	Health	Total Score
Provide Oxygen	10	1	10		
Improve Air Quality	10	1	10		
Improve Water Quality	10	1	10		
Recycling of Nutrients	10	0	0		
Soil Stabilisation and Erosion Protection	10	0	0		
Wildlife Corridor or Refuge/Shelter or Food Source for Wildlife	10	1	10		
Critical Habitat for Indigenous Flora and Fauna	10	0	0		
Noise Amelioration	10	0	0		
Shade	10	1	10		
Shelter	10	1	10		
Total	100		60	70%	42

Environmental and Ecological Evaluation						
Points	**10**	**30**	**50**	**70**	**90**	**Score**
Services	10 to 19	20 to 39	40 to 59	60 to 79	80 to 100	

In the assessment form 42 points is in the range for awarding 50 points, therefore the fictitious tree would be awarded 50 points for its overall contribution of Environmental and Ecological Services.

4.4.2 Canopy Dimension

"The use of tree volume, as a measure of tree size, gives a realistic appraisal of the tree in the landscape."[10]

Canopy dimension (measured in m^3) measures a tree's bulk and indicates the extent of Environmental Services that it is likely to provide i.e. the larger the bulk of the canopy the greater extent of environmental services the tree provides.

Canopy dimension is based on the following calculations (from the STEM manual):

Broad spreading trees – $\frac{2}{3}\pi r^3$
Pyramidal trees - $\frac{1}{3}\pi r^2 h$
Palms - $\pi r^2 h$

Tree shapes can broadly fit into three mathematical formulae:

Broad spreading as a hemisphere
Conifers as cones
Palms and cabbage trees as cylinders

The measurement for the tree's canopy is the width or radius of the drip line plus the height, measured from the bottom of the canopy to the top of the canopy. It is too difficult to estimate the size of the root plate as individual trees can be different to each other and trees planted in urban areas are not often given the opportunity to develop 360˚ root systems. This means that the actual size of the tree (canopy and roots) will

[10] McGarry P.J. and Moore G.M.Dr. The Burnley Method of Amenity Tree Evaluation. Victorian College of Agriculture and Horticulture. Australian Journal of Arboriculture. June 1987.

not be measured, resulting in the full extent of environmental services provided by the tree being underestimated.

Trees are dynamic beings and change regularly through growth and shedding or pruning of limbs as well as responding to environmental stimuli which also affect their shape. Where a tree does not neatly fall in to any particular formulae (i.e. how the species would naturally grow), the nearest formulae to the tree's shape will be used.

Where a tree has been severely disfigured so as to not fit within any of the shapes it may be precluded from marking under this section. Where this happens a photograph is provided evidencing why this section was not evaluated.

Groups of trees were assessed as an entity, with the dimension for width being the average of the north/south and east/west measurements and the dimension for height being the average of the collective heights.

4.4.3 Occurrence

Trees that can be considered as infrequent, rare or very rare have botanical significance. This criterion allows a greater recognition of native species due to their under representation in urban landscapes.

The range is based on the number of trees (or groups of trees of a particular species) within Christchurch and should be completed by experienced arborists with knowledge of Christchurch trees. As one of the largest land owners in Christchurch a good guide to species occurrence may be found using the Council's asset data base.

Information regarding the rarity of native species was obtained from the Council's Botanist.

Where a tree or group of trees is considered rare or very rare, this may be further assessed in the Exceptional Evaluation under the criteria "Remnant", "Relict", "Source" and "Threatened".

4.5 Exceptional Evaluation

Trees that receive marks under this category are considered to have a higher level of significance (exceptional significance) by virtue of their landscape, historic, cultural or botanical qualities.

Where an individual or group of trees was considered for listing with "Exceptional Evaluation" criteria, specialists were used to verify the listing in terms of its contribution to matters such as landscape setting, historical association etc. This specialist input (through a landscape architect, qualified arborist[11], historian, botanist) is intended to enhance the robustness of the methodology and address the criticisms raised in case law, pertaining to the need to involve specialists in the assessment of evaluation criteria that extend beyond arboricultural expertise – e.g. in the North Shore City Council's Proposed Plan Change 36, the Commissioner specifically raised the matter that a landscape architect should have been used when assessing landscape significance.

Recognition	Local	City	Regional	National	International	Score
Points	10	30	50	70	90	
Landscape						

[11] The qualified arborist was the arborist undertaking the assessment of the tree. Landscape Architects were provided by the Capital programme Group within the Christchurch City Council.

Feature						
Shape						
Contribute to Heritage setting						
Heritage						
Age 100+						
Association						
Cultural Significance						
Commemoration						
Relict						
Botanical						
Source						
Remnant						
Threatened						
Subtotal						

4.5.1 Landscape

Exceptional Landscape under the STEM+ evaluation requires analysis of trees in relation to the following matters:

a. Feature

Trees that have exceptionally large proportions (i.e. special visual interest due to their height, spread, trunk dimensions), unusual or sculptured form (i.e. either a manufactured shape or one caused by natural causes e.g. windswept) as assessed by a qualified landscape architect.

b. Shape

Trees that are outstanding examples of the natural shape of the species when compared to others at a regional, national or international level as assessed by either a qualified arborist or qualified landscape architect.

c. Contribute to Heritage Setting

Trees that are on sites currently listed in Volume 3, Part 10 Heritage, Appendix 1 - List of Protected Buildings, Places and Objects of the City of Christchurch City Plan or Appendices IV and V of the Banks Peninsula District Plan.

4.5.2 Heritage

Exceptional Heritage under the STEM+ evaluation requires analysis of trees in relation to the following matters:

a. Age

Trees with either an authoritative (e.g. assessed by an appropriately qualified and experienced arborist with knowledge of Christchurch trees) or well documented age of 100 years (e.g. dated photograph, written planting records).

b. Association

There is a recorded association with a major natural or planned event, or an eminent person (e.g. Riccarton House trees and the Deans family) by the presence of a plaque or other written record.

c. Cultural Significance

Any tree, or species of tree, revered for traditional or cultural significance (including specific food or medicinal use e.g. native trees used by Maori, Gingko fruit by Chinese, cabbage trees as markers for early Maori).

Native trees were awarded points for regional significance in accordance with the Ngai Tahu Taonga Plant Species list[12] which was confirmed through input from Mahaanui Kurataiao Ltd.

d. Commemoration

Well documented planting to commemorate an occasion or occasions of importance in New Zealand's history such as battles or treaties.

e. Relict

A tree is considered as a relict when it is an individual tree that is the last of its kind in the setting.

4.5.3 Botanical

Exceptional Botanical under the STEM+ evaluation requires analysis of trees in relation to the following matters:

a. Source

Trees with exceptional species qualities or generic derivation and are being, or could be used as, a seed source because of these qualities.

b. Remnant

Applies to a group of trees that was once wide spread and common but which is now the last of its kind in the setting

- native forest (e.g. Deans Bush); or
- previous land use or activity (e.g. exotic tree plantations, shelter belts etc)
- small leafed kowhais at Templeton golf course

[12] www.doc.govt.nz

c. Threatened

This criterion has been developed with the assistance of the Council's Botanist.

Trees listed as threatened under the criteria developed by the International Union for the Conservation of Nature (IUCN) as:

CR - critical;
EN - endangered
VU - vulnerable
Nt - near threatened

Or as a threatened plant of New Zealand as:

- Nationally critical;
- Nationally endangered;
- Nationally vulnerable;
- Declining;
- Locally uncommon.

- Extinct (can not have rating for extinct);
- threatened;
- at risk.

Points	Description
10	Locally Uncommon, native plants at risk
30	IUCN Nt, Declining, native plants at risk
50	IUCN VU, Nationally vulnerable, native plants threatened
70	IUCN EN Nationally endangered, native plants threatened
90	IUCN CR, Nationally critical, native plants threatened

Trees that are on the IUCN list due to their status in their natural environment but are common in New Zealand have not received any marks e.g. Norfolk Island pine, *Pinus radiata.*

5 Justification for Protecting Street/Park/Council Public Open Space Trees

Streets are unique and important environments where trees are located. Streets serve multiple functions including the movement of people and goods, utility and amenity purposes. These functions need to be balanced with the protection of trees.

A large number of street and park trees have been, and continue to be, planted throughout the City.

Street trees provide area character but, more importantly, by virtue of their positioning in the road corridor, they also play a vital environmental role – climate amelioration by reducing urban heating of the road surface (also lessens damage to the road surface by UV rays) and surrounding buildings, thermal comfort for cyclists and pedestrians, quantifiable services such as removal of transport related greenhouse gases, removal of particulate pollutants (including vehicle emission particulates such as diesel particulate matter), storm water management.

Figures published by the City of New York[13] show quantifiable benefits in retaining mature trees:

- Annual benefits from trees USD122 million (USD209 per tree);
- Annual energy cost reduction USD28 million (USD50 per tree);
- For every USD1 spent in maintenance there is a Return on Investment of USD5.60;
- Annual pollution removal 2,202 tons;
- Annual carbon storage 1.35million tons;
- Annual storm water capture of 890 million gallons.

[13] www.milliontreesnyc.org

Additionally the United States Department of Agriculture Forest Service[14] calculates:

- 100 mature trees remove 37 tons of carbon dioxide per year;
- 100 mature trees remove 248 pounds of other air pollutants per year;
- 100 mature trees catch about 138,000 gallons of rain water per year;
- 1 healthy 20 year old public tree gives benefits to the value of USD96 per year at an annual cost of USD36 per year giving a net benefit per tree of USD60 per year to the community.

Graphics provided by the City of Melbourne[15] show the positive effect that street trees can have on climate amelioration (see Figures 1 and 2 below).

Figure 1 London plane in median strip in Russell Street

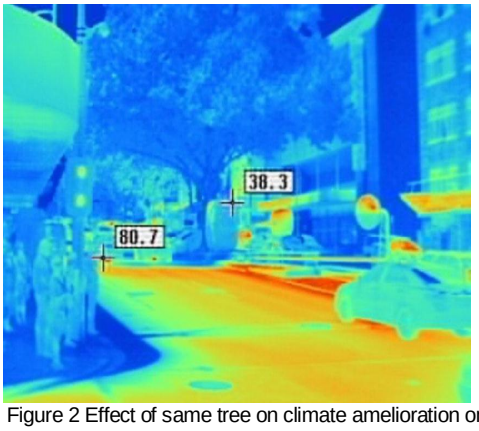


Figure 2 Effect of same tree on climate amelioration on a 40˚ day

By virtue of their position street trees are highly susceptible to damage caused by resident, construction and vehicular activities. This is due to the nature of the street environment and its multiple and often competing uses.

A large number of street trees are damaged when diggers, trucks and other construction type activities occur too close to the tree, resulting in broken branches, damaged roots and the removal of the bark and cambium layer.

Park and other Council public open space trees are also susceptible to the same damage, although to a lesser degree.

The most common area of a tree to be damaged during construction or services installation and maintenance is the roots. While damage to the trunk, branches and foliage is easily spotted, damage to roots goes largely undetected and can take several years to become apparent, and only when the tree starts declining in health or falls over (see Photographs 1 – 4).

[14] USDA Forest Service. Trees Pay Us Back Leaflet. USDA Forest Service. Newton Square. 2006

[15] Shears. I. City of Melbourne. Transitioning from Vulnerability to Resilience: Transforming Melbourne's Urban Landscapes Power Point Presentation. City of Melbourne. 2013.

Photograph 1 Street in 2006 prior to street reconstruction.

Photograph 2 Same street with root damage 2006.

Photograph 3 Same street with root damage and compaction 2006.

Photograph 4 Same street with trees declining - January 2015.

The leading cause of tree death during landscape and other construction activities is damage to roots. Damage is usually the result of digging, grading or compacting of soils within the "critical root zone" of a tree. "Critical root zone" is defined as the area in which the loss, disturbance, or damage to any roots will adversely affect the tree's long-term health and structural integrity.

Contrary to popular belief very few trees have a tap root. Most trees' root systems are in the top 600mm of the soil and, given appropriate underground conditions, radiate out past the edge of the canopy of the tree. The older the tree the further the roots will extend past the canopy edge.

It is extremely easy to damage a tree's root system. Damage can be caused by –

- severance, stripping, crushing or bruising of bark and cambium through activities such as trenching, contouring, scalping from mowers or crushing by vehicles;
- soil compaction through parking or driving vehicles over the roots or storing plant and equipment on the roots[16];
- changing of soil and water levels by excavation or filling;

[16] Park trees are not exempt from this type of damage as the Central City parks and larger urban parks host a number of events which cause ground compaction and therefore root damage. Parks are also an easy and accessible place for contractors to store plant, materials and equipment when working in the road corridor or adjacent properties.

- poisoning of roots by washing down equipment, diesel/chemical spillage, chemical application.

With the earthquake recovery work, installation of the ultra fast broadband network and the rebuild of the Inner City, the City's street trees are coming under increasing threat of damage by contractors working in the road corridor and on adjacent construction sites.

Despite the Council issuing instructions as well as approving contractors' Tree Management Plans (Tree Management Plans are a requirement under the National Code of Practice for Utility Operator's Access to Transport Corridors 2011 and set out how contractors will work around and protect trees), there are several instances where damage has occurred solely due to contractor negligence. Damage ranges from nominal to severe (see photographs 5 – 8).

Photograph 5 Root severance by trenching with excavator.

Photograph 6 Root severance by trenching with excavator.

Photograph 7 Stripping of bark and cambium layers.

Photograph 8 Compaction and crushing of root plate by vehicles.

The extent of on-site supervision or tree protection given, if any, is largely down to the respective project managers supervising the individual work sites or the quality of forward planning at the investigation, design and pricing stages. By the time the Council arborists become aware of tree issues it is often too late as the damage has already occurred or the project has not factored in tree protection or arborist supervision costs.

Tree damage cannot be "fixed". They do not "heal" by repairing damaged cells as humans do.

Damage to trees affects their health and can also affect their structural integrity. Unhealthy trees do not perform to their optimum and their environmental, landscape, social and economic services will reduce in both quantity and quality as tree health declines. Where a tree has been severely damaged and requires removal, those services to the community are lost immediately.

Structurally unsound medium to large trees can be dangerous and either require removal, ongoing monitoring (which equates to additional and therefore unbudgeted costs), or rectification pruning which, dependant on the amount of pruning required, can have negative effects on the tree's ability to provide environmental, landscape, social and economic services.

While it may be easy to remove and replace a tree, it is not possible to immediately replace the lost environmental, landscape, social and economic services that a healthy medium to large mature tree provides daily to the community. The loss of medium to large trees can create a significant hole in the landscape – one that can sometimes never be filled.

The cost to remove and replace a tree can vary dependant on size, condition, location, accessibility, surrounding structures, requirement for specialist equipment (e.g. cranes, helicopters), disposal of debris, and requirements for public consultation.

The average cost to remove and replace a medium to large sized (6m to 15m) healthy and easily accessible street or park tree is $1,245. This includes removal of the tree and stump, supply and planting of the replacement tree and three years establishment maintenance (watering, mulching, etc).

While this is the replacement value of the tree, the value of the tree's environmental and landscape services to the community is much greater (these values can be calculated by using the STEM+ assessment system along with the valuation methodology in the original version of STEM).

There is the opportunity to impose a condition for removal of significant trees where the dollar value of those lost environmental and landscape services is quantified through a valuation of the tree and then trees up to that dollar value are planted either within the immediate vicinity of where those services are lost and/or elsewhere in the City. This calculation can be done using either the original or modified versions of STEM or the Council of Tree and Landscape Appraisers Method which is sanctioned by the International Society of Arboriculture. Using STEM+ would give a greater dollar value than the original version of STEM as there are more criteria involved in the STEM+ evaluation[17].

Such a condition would be appropriate when removing a tree where damage is caused by negligence or deliberate act or in cases where the applicant simply does not like the tree.

Damage caused by residents is usually limited to inappropriate pruning - "topping" or shaping of trees in to virtual topiaries – and is done to stop debris and shade (see photographs 9 and 10).

[17] There is disagreement in the arboricultural industry as to whether or not the procedure in STEM for calculating the value of a tree is appropriate.

Photograph 9 Tree "topped" by resident.

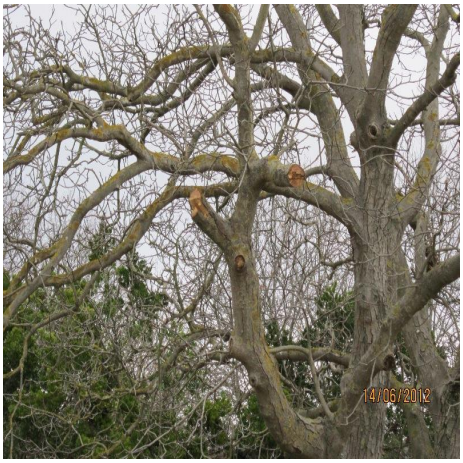
Photograph 10 Tree in same street and how tree in Figure 9 should look.

This has an immediate effect on visual amenity (impacts on neighbourhood character and the Garden City identity) as well as the tree's long term environmental, landscape, social and economic contribution.

It can also lead to hazardous trees as the re growth from "topped" trees is usually weakly attached to the parent stem and can easily be dislodged and fall. Trees that have been "topped" can, if not managed by arboricultural professionals, become unhealthy as decay will invade the remaining stems. This decay will ultimately lead to the tree presenting a hazard to the road and road/park) users, overhead services and adjacent residents.

"Topped" trees require a high level of professional maintenance to prevent them becoming hazardous to road or park users. Without a high level of maintenance the resultant re growth not only becomes hazardous, but shade and debris problems increase markedly as the tree strives to re grow the lost canopy as quickly as possible.

In some instances trees are damaged for other reasons e.g. access to property by moving trucks etc (see photographs 11 and 12).



Photograph 11 Tree in park damaged for house removal.

Photograph 12 Unknown reasons for tree damage.

Street and park trees in Auckland City have had RMA protection for a number of years. Residents and contractors are fully aware of this and recognise that damage, inappropriate pruning and removal are not acceptable to either the Council or the Community at large.

To ensure that publicly owned trees in Christchurch grow to maturity and perform to their optimum potential, and that those environmental, economic, social and cultural tree services are delivered to the Community now and in the future, it is appropriate that significant trees in streets, parks and other Council public open spaces receive a high degree of legal protection from damage, inappropriate pruning and removal.

It is not the intention, nor would it be appropriate, to protect shrub borders or hedges in parks.

Some large growing woody shrubs that are extremely common in shrub borders (e.g. Pittosporum, ngaio, houhere) can grow in excess of 6 metres in height and, should the threshold for significance be the same as that for streets (i.e. 6 metres) would become protected “trees”.

There will, however, be instances where there are individual or groups of trees within a shrub border that are considered significant enough to protect.

For these reasons the height for significance in parks has been set higher than that for streets.

It is also not the intention to protect shrub borders in streets or street trees outside of urban Christchurch e.g. the road corridors in Banks Peninsula are full of wilding pine, macrocarpa and Eucalyptus, many of them perched on steep banks or cliffs. Although many of them perform vital services (e.g. erosion protection) it is considered that protection of wilding trees in rural road corridors would be inappropriate.

The exceptions to this are:

- trees on the foreshore in Beach Road, Akaroa between Bruce Terrace and Rue Jolie; and
- the lime trees forming and avenue on the Christchurch-Akaroa Road in Coop Town.

5.1 Central City

The Central City Recovery Plan inserts the following into the City Plan:

- “Clauses 4.5.1 - 4.5.5 (Special Purpose (Road) Zone) do not apply within the Central City.”

Clause 4.5.4 relates to the removal or major pruning of any tree within the road zone.

Therefore through the Recovery Plan powers in the CER Act, there are currently no tree protection rules in streets within the Central City – including those trees that form the original Town Belt (Bealey and Fitzgerald Avenues).

Section 23 of the CER Act (must not make recommendations or decisions that are inconsistent with the CCRP) is therefore relevant and the Council is limited in the approach it can take through the DPR to protect trees within the Special Purpose (Road) Zone that falls within the Central City.

This does not preclude protecting trees in parks or other Council open spaces within the Central City which will come under increasing pressure as more events and markets are held in these spaces.

6 Who has been involved?

Christchurch City Council Staff

Arborists	Shane Moohan, John Thornton, Dieter Steinegg, Jonathan Hansen, Michael Ostash
Landscape Architect	Hannah Lewthwaite
Botanist	Trevor Partridge
Ecologist	Belinda Margetts
Planners	Lizzie Spencer, Andrew Long, Caroline Rachlin

External

Arborists	Martin Göhns (Treetech Specialist Treecare Ltd), Laurie Gordon (Arbor Vitae Ltd)
Landscape architect	Wayne Rimmer (Opus International Consultants Ltd)
Planner	Stephanie Styles (Boffa Miskell Ltd)
Mahaanui Kurataiao Ltd	Bryan McGillan, Tui Falwasser

7 Findings

Number of trees proposed for inclusion in the District Plan[18] 380
Number of groups of trees proposed for inclusion in the District Plan 4

Number of trees proposed not to be included in the District Plan (Appendix 5) 1186
Number of groups of trees trees proposed not to be included in the District Plan[19] (Appendix 5) 18
Number of trees found missing 72
Number of trees not assessed[20] 15

[18] 24 individual trees are contained within the Central City (Chapter 13) while there are no Groups of Trees within the Central City.
[19] 18 groups totalling 116 trees
[20] Some trees were not assessed due to an inability to access the property

8 General

Research conducted in the United Kingdom and the United States of America show that trees are dynamic, multi functioning green infrastructure assets that provide the Community with the following very important environmental, economic and social services:

Environmental and Ecological Services:

- purification of air and rainwater by removing gaseous, chemical and particulate pollutants and releasing oxygen;
- carbon storage and recycling nutrients;
- cooling of city-scapes and waterways reducing heat island effects and unwanted growth in streams;
- storm water and erosion management by absorbing ground and rainwater and stabilising slopes;
- enhancing natural features, outstanding landscapes or buildings;
- providing habitats and food for wildlife and encouraging biodiversity.

Economic Services:

- real estate value up-lift occurs in mature tree lined suburbs;
- more inviting streetscapes encourage customers to linger in retail and commercial areas;
- tourism is supported by the Garden City image and trees promote enjoyment of the city;
- screen unsightly buildings or activities to lessen impacts and reverse sensitivity;
- faster recovery of people once hospitalised or injured;
- increased staff productivity and less absenteeism if trees or green spaces can be viewed;
- extending the life of paved surfaces by cooling and removing excess ground water;
- woody biomass provides an affordable source of renewable energy

Social / Cultural Services:

- heritage and identity supporting our Garden City image and neighbourhood amenity and character;
- maintaining outdoor comfort by providing UV protection from the sun and shelter from winds;
- summer shade reduces the overheating of buildings and parked vehicles;
- tree-lined streets reduce vehicle accidents by calming traffic;
- providing noise and visual buffers from busy streets or unsightly buildings or activities;
- enriching peoples lives through ever changing colours, patterns, textures, flowers and seeds;
- supporting good mental and physical health and well being by naturalising and humanising built environments;
- food production, medicinal use;
- a wide range of educational benefits offered by nurturing nature and understanding the cycles of life;
- recreation opportunities.

Over the next 90 years Christchurch must prepare for a predicted temperature increase of 2˚ Celsius along with hotter, drier summers and changes in rainfall and extreme weather events. [21]

The planned development and urban intensification of Christchurch will contribute to climate change, air pollution and loss of amenity by:

- increasing transport related greenhouse gas and particulate emissions through increased traffic volumes.

  By 2041 there is estimated to be a 30% increase in the volume of traffic and 40% more traffic congestion on the City's roads. Transport related greenhouse gas emissions contributed one third of all Christchurch's greenhouse gas emissions in 2008[22];

- contributing to rises in urban heating by increasing transport related greenhouse gases and hard impermeable surface e.g. the removal of rural vegetation (including pasture) and subsequent placement of roads, footpaths, car parks and buildings.

- placing more pressure on public spaces to provide vegetation that was once provided for on private land.

Many overseas cities have recognised that the services provided by trees are a long term, effective, and relatively cheap method of ameliorating the effects of climate change and air pollution and have strategies in place to increase city wide canopy coverage to achieve this.

Planting, maintaining and protecting trees presents an opportunity for Christchurch to not only ameliorate the effects of climate change and air pollution, but also retain and enhance Christchurch's internationally recognised Garden City identity.

The site assessments using STEM+ have shown that there are a high number of "very poor", "poor" and "average" trees that are currently protected as Notable trees. This is probably a combination of 20 years' deterioration in condition, inappropriate maintenance practices, the old assessment method and differences in interpretation between original assessors (of which there were 3-4).

Additionally, the contractor's assessment staff walked past trees currently not protected that, in their professional opinion, are more worthy of protection than a lot of the trees they were assessing.

There is a list of @1,300 trees that have been assessed using the current evaluation method and are waiting to be included in the current District Plan as Notable trees. These trees, along with trees proposed for inclusion through a public notification processs, should be reassessed using STEM+ and those trees that meet the new criteria included in the new District Plan at the earliest available opportunity.

The Council currently provides the following assistance to land owners/residents:

- Heritage and Notable Trees

There is a small budget ($14,000 per annum) to assist with the costs of pruning and for fixing damage to private property caused by tree roots. The fund may be used to assist with tree removal but is not used for debris clearance (i.e. removal of fallen leaves, seeds, flowers, twigs). Assistance

[21] Christchurch City Council Climate Smart Strategy 2010-2025

[22] Christchurch City Council Climate Smart Strategy 2010-2025

under this fund is reserved for residents requiring financial assistance.

Where a Resource Consent is required and the maintenance is beneficial to the tree there is no Consent fee charged to the applicant.

Where a tree is deemed as immediately hazardous the tree may be removed without the requirement for a Resource Consent (a Memorandum from the Council's Environmental Consents Arborist confirming the condition of the tree is required). This means that there is no consenting cost for the applicant.

The Council has two staff members who give free advice as to the management (i.e. maintenance, removal, condition assessment) of non-Council owned protected trees.

· Street and Park Trees

The Council provides both a planned and reactive tree maintenance service.

Planned maintenance is undertaken to maintain safety for park and road users (including vehicles) and adjacent residents, uninterrupted supply of electricity, tree health and amenity values. Planned maintanence is where a whole or large section of a street or park is scheduled for tree maintenance and involves pruning activities such as overhead services clearance, removing dead/dying/broken/diseased branches, removing branches obstructing walkways/cycleways/roads/footpaths, other pruning to maintain the structural integrity of the trees (e.g. lightening heavily weighted branches), formative pruning (e.g. removing competing leaders) and establishment maintenance (watering, mulch maintenance, restaking, retying). Boundary encroachment is undertaken, usually at the request of the resident or where heavily weighted branches pose a potential safety concern. Pruning for shade or debris is usually a user pays service, unless the pruning can be accommodated in the "business as usual" (i.e. LTP funded) maintenance.

Reactive maintenance is usually at the request of the resident involving only 1 or 2 trees and, with the exception of establishment maintenance, can include all or some of the above planned maintenance activities.

The Council also provides a tree removal and replacement service for those trees that are approved for removal. For trees that are removed because the tree is unhealthy or structurally unsound, or where the tree is causing other traffic or pedestrian safety issues, damage to infrastructure or property or badly misshapen where removal of the tree is the only viable option, there is no cost to the applicant.

For other requests there may be a charge to the applicant (e.g. for trees that are removed under the Council's Trees and Health Policy the cost is a 50:50 share between the applicant and the Council).

There is no current LTP funding to assist residents with removal of debris caused by Significant Trees or street and park trees.

This is a cause of frustration for residents who are not capable of removing tree debris (elderly or physically impaired). Tauranga City Council has a fund solely for this prupose. There are criteria to be met that determine who is eligible for funding assistance.

It is recommended that, in the next Annual Plan or LTP round, funding is sought to provide a debris assistance programme (similar to Tauranga City Council) for Significant Tree owners and residents living in streets or immediately adjacent to parks containing large trees.

9 Conclusion

Trees perform very important environmental, economic, social and cultural services.

Some tree services are considered essential for human health and well being (e.g. supplying oxygen, carbon sequestration, air purification by removing and storing chemical and particulate pollutants, other climate change amelioration such as reducing urban heating, landscape amenity).

The larger and healthier the tree the more services it provides. Well treed streets that have medium to large healthy trees provide the community not only with those essential tree services but also economic, social and cultural services and should be protected from damage and inappropriate removal to ensure that they continue to provide those services to the community.

Figures published by the City of New York and the USDA Forest Service show that there are quantifiable benefits to the community in retaining and protecting Council owned street, park and open space trees thereby ensuring the community continues to benefit from those environmental tree services.

To ensure that privately owned significant trees remain in situ and are not inappropriately removed or damaged it is necessary to provide them with a high degree of legal protection.

To justify imposing rules which govern what non council land owners can do to assets they own, trees should have a high degree of significance to the City.

To achieve this, a more robust evaluation assessment criteria and methodology than the current methodology ("Walter's system"), or STEM, was required to be developed. "Walter's system" has served its original purpose – to evaluate and identify trees which contribute to the City for District Plan protection, thereby safeguarding them from inappropriate removal or damage.

STEM+ is a result of combining the methodology of both the original version of STEM and "Walter's system" and expanding and improving on those evaluation methodologies.

Although STEM+ is a more robust evaluation assessment methodology and criteria with clearer guidelines for evaluating trees, it is a system that can and should continue to be developed and improved either by the Christchurch City Council or the New Zealand Arboricultural Association.

The site assessments using STEM+ have shown that there are a high number of "very poor", "poor" and "average" trees that are currently protected as Notable trees. Additionally, the contractor's assessment staff walked past trees currently not protected that, in their professional opinion, are more worthy of protection than a lot of the trees they were assessing. These trees could be assessed for inclusion in future Plan changes (see p.45 para 9).

Excluding average trees as well as smaller trees combined with an appropriate points threshold, the robustness of the assessment and assessment criteria, will mean only those trees worthy of District Plan protection will receive that protection.

This, in turn, will mean less consenting requirements and restraints on the majority of non council land owners when compared to the old District Plan.

High standards for protection may also encourage landowners to plant more medium to large growing trees (trees that grow up to 15 metres height) without the fear of having them protected by low thresholds (e.g. the current evaluation system or the previous Auckland blanket protection rules) - for a tree to be planted

and grow to meet the new standards will take a considerable period of time. This should, over time, lead to a volume increase in the overall city wide tree canopy with the resultant spin offs in tree services provided to Christchurch.

By excluding average trees as well as small to medium sized trees, a lot of trees previously protected will no longer qualify for District Plan protection. This may lead to the loss of some medium to large non council owned trees that may otherwise have stayed in situ had they remained protected. To alleviate some of this effect, along with giving protection to Council's trees, it is proposed that the evaluation methodology for protecting trees through the subdivision process mirror that for placing trees on the Schedule of Significant Trees, but with lower criteria for structure, health, shape, suitability in the landscape and service life, along with a lower points threshold (i.e. "average" trees can be picked up in this process).

Additionally there is a list of @1,300 trees that have been assessed using the current evaluation method and are waiting to be included in the current District Plan as Notable trees. These trees should be reassessed using STEM+ and those trees that meet the new criteria included in the new District Plan at the earliest available opportunity. As part of this process the public should also be invited to propose trees for inclusion in the Schedule of Significant Trees.

Ongoing intensification will result in the loss of medium to large non protected trees on private land.

Trees on public land (i.e. streets and parks) will therefore become increasingly more important to ameliorate the effects of climate change and increased air pollution, and to provide amenity that was once provided for on private land.

To ensure that street and park trees remain healthy and structurally sound and fully functioning green infrastructure assets, they require a high degree of legal protection to prevent and discourage damage and inappropriate removal. By providing District Plan protection to these trees we are safeguarding a large environmental and amenity asset for future generations to enjoy and benefit from.

As the overall canopy volume of trees on public land attains an appropriate size and quantity[23], the City's large tree asset can progressively be transferred from non council owned land to council owned land. Such a strategy should be included in an Urban Forest Strategy, along with other Policies and Objectives (e.g. how Christchurch will increase the City wide urban tree canopy cover, using trees to ameliorate the effects of climate change and increased air pollution etc).

Should this situation eventuate it would then be possible to protect those trees on non council owned land that only have "exceptional" qualities (i.e. landscape, heritage or botanical qualities). This will mean that in future there will be minimal consenting requirements and restraints on the majority of non council land owners when compared to the old and new District Plans.

[23] Many overseas cities have targets to increase overall city wide canopy coverage for publicly owned trees e.g. The City of Sydney has a target to increase city wide publicly owned tree canopy cover from 15.5% to 23.25% by 2030 and then 27.13% by 2050 .

10 Appendix 1 - Peer Review

10.1 Appendix 1 A - Peer Review Robert Graham August 2014

Peer Review of Christchurch City Council Proposed Assessment Methodology for Significant Trees

1. Introduction

I have been requested by the City Arborist, Shane Moohan, from Christchurch City Council to conduct a peer review in to their proposed methodology for assessing the significance of trees for inclusion in, or exclusion from, the new Christchurch City District Plan.

2. Credentials

I am the Programme Manager (Arboriculture) at the Waikato Institute of Technology, Hamilton where I have been teaching arboriculture for 19 years.

In this role I am the principle tutor for Level 6 Diploma in Arboriculture for Tree Inspection (investigating and recording the condition of amenity trees and the subsequent analysis of data collected), Hazard Analysis of Trees (identifying, investigating and analysing hazardous trees and making management recommendations for their treatment), Amenity Tree Valuation (the methods and workings of international tree valuation systems, including STEM, RNZIH, Burnley and ISA, for trees of notable, rare, scientific, historic or protected status).

I have supplied tree consultancy services to Auckland City Council, Tauranga City Council, Hamilton City Council and Waipa District Council as well as several private clients.

I have appeared as expert arboricultural witness in court and have authored journal articles (including the Royal New Zealand Institute of Horticulture Journal) on Notable Trees and Tree Biomechanics.

In 2012 I presented a paper on the Notable Trees of New Zealand to the UK Arboricultural Association national conference.

My qualifications include –

Bachelor of Arts (Auckland University) 1977
National Diploma in Horticulture (Lincoln) 1986
Diploma in Adult Teaching and Learning 1998
Craftsman Certificate in Tree Surgery (Merrist Wood UK) 1987

3. Peer Review

3.1 Scoring System

One of the major issues with the current version of the Standard Tree Evaluation Method (STEM) is that the current scoring system (3- 27) does not give a wide enough range of values, and trees are inclined to cluster into a narrow range of 'average' values.

This of course is not what you want in an evaluation system, which should give a broad spread of values to reflect a range of tree conditions and importance.

I would suggest that the scoring should be changed to reflect a greater range of category differentiation – i.e. the scores to fully reflect the percentage suggestions that are given in STEM (i.e. 90% -10%, instead of the 3-27 points) which would align STEM to other international valuation systems (such as the 'Council of Tree and Landscape Appraisers' method sanctioned by the International Society of Arboriculture).

The increase of points from the current maximum of 27 to the proposed 90 would give a wider points range and allow for a greater differentiation between trees, thus reflecting a range of tree qualities through a wider band of possibilities.

This will give a greater separation between 'average' trees and those that may considered as 'significant'.

3.2 Condition Evaluation

It is a great improvement to focus 'Condition' on the tree condition assessment and to remove from this category in STEM factors that are not actually 'condition' assessments.

The new proposal does this well – particularly with regards to the 'structural' assessment.

I understand the rationale behind the separation of 'Vigour and Vitality' in to two criteria, but am uncertain of the effect this will have on the overall assessment process (given the similarity in the 'Description').

Given this, I suggest that the two separate criteria for 'Vigour' and 'Vitality' be combined in to one criterion called 'Health'.

This will remove the possibility of duplication and over assessing.

3.3 Landscape evaluation

Once again this category clarifies a section in STEM that is unclear and confusing.

The inclusion of canopy size adds to the overall landscape assessment as it indicates how much of the visual aspect the tree's bulk takes up. When combined with the height and width measurements, canopy size gives a true indication of the size of the tree.

Trunk diameter is a recognised measurement of tree size and should therefore be included in any assessment of significance.

The changes to the 'Visibility' criterion are more in line with the Christchurch environment as Christchurch is largely flat. Trees in urban areas on flat plains such as Christchurch are less visible from great distance than they would be in say, Auckland, as Auckland is a mixture of flat land and dormant volcanoes.

The inclusion of 'Location' and the descriptors used are appropriate to determine how many people can reasonably be expected to view the tree. This is a big improvement on the current STEM model. The descriptors will reduce subjectivity between assessors.

By quantifying such factors as 'Role' and 'Suitability" there has been a clear improvement in reducing the subjectivity that STEM has for these elements.

3.4 Environmental Evaluation

The introduction of a new 'Environmental and Ecological' category is an imaginative and innovative solution to a category that is absent in the current STEM.

This is now an important evaluation criterion for trees, but was not seen as such during STEM's development in the early 1990's.

The 'Services' category would also appear to have great merit as an attempt to quantify what is currently a subjective assessment.

Quantifying tree services (more commonly known as functions or benefits) and then assigning them to each tree (dependant on whether or not it is thought that the tree(s) are reasonably providing those services) is an innovative and quantifiable method for assessing the environmental and ecological functions of a tree.

Creating a direct link to the health of the tree gives an indication as to the effectiveness of the tree at providing those services. This is a further improvement on the innovative method for assessing tree services.

The application of canopy size is a simple and direct method to ascertain the environmental impact of a tree, and is a novel and imagination solution to this problem.

3.5 Exceptional Evaluation

This retains the essence of the STEM 'Notable' evaluation criteria, but improves in the explanatory notes by giving greater guidance to the assessor.

My only comment here is that I believe the scoring system should be enhanced in this section (i.e. trees given a rating higher than 27, or 90 if my suggestions are adopted).

This would mean that trees that are nationally significant for example would receive a 'boost' in their scoring to ensure their listing.

3.6 General Comments

The modified version has much greater detail provided in the instructions for assessment and gives clear guidelines in how the process is to be undertaken. I believe this will reduce subjectivity by explaining to the assessor how each category is undertaken. It has also removed the current ambiguity that is found in the STEM guidelines.

The categories are clear, appropriate and well established.

This modified version of STEM has added some valuable new assessment criteria and, at this point in time, there is no need to add more criteria.

Tree evaluation is a subjective process, however this revised format has greatly reduced that subjectivity. There has been a clear attempt to make the process less subjective by quantifying many of the categories that are currently highly subjective.

It is my opinion that this will provide a sufficiently robust assessment of a tree for District Plan tree protection purposes and is a great improvement on the current method.

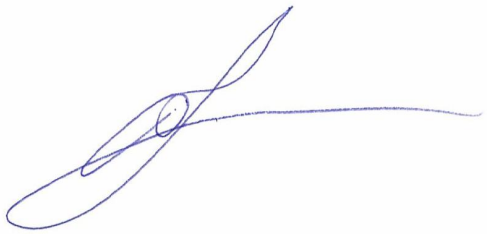
Overall, I found the proposed adaptations of STEM to be a great improvement. Having spoken with Ron Flook (the author of STEM) on a number of occasions about STEM and tree evaluation in general, I am sure he would be delighted with the time and effort that the Christchurch City Council has put in to improving and updating his assessment method.

4. Recommendation

To accept the modified version of STEM in the event that it is improved in certain ways -

4.1 I would suggest that the difference in scoring structure I recommended above is adopted to give you a broader range of values to greater reflect the quality variations found when assessing trees.

4.2 Amalgamate 'Vigour' and Vitality' in to one criterion named 'Health'.



Rob Graham

Consultant Arborist

29 August 2014

10.2 Appendix 1 B - Peer Review Robert Graham February 2015

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Wintec
WAIKATO INSTITUTE OF TECHNOLOGY
Te Kuratini o Waikato

11 February 2015

Peer Review, STEM+

I have reviewed the up-dated version (February 2015) of the STEM+ method of tree evaluation proposed for the Christchurch City Council tree protection scheme.

I believe that the changes that have been made to the version I commented on in August 2014 have improved the method further and helped to clarify and detail the objectives and application of the tree assessment process.

STEM+ is a very thorough and comprehensive system of tree evaluation that has removed the subjectivity from the process as much as possible by using exacting guidelines, formative examples and a detailed rationale to explain how the assessor evaluates the tree in the field.

I consider that the up-dated method as proposed will produce a wide range of values indicating a rigorous and robust assessment strategy that will identify and rank the trees in a valid and defendable manner.

Christchurch City Council, the City Arborist (Shane Moohan) and the arboricultural team are to be commended on their effort in invigorating and detailing what is often considered an inexact and irrational process. I am unaware of as more comprehensive and vigorous tree assessment method being used in this country for local authority tree protection.

Please if you have any further inquiries regarding the above call me on (07) 834 8800 Ext. 7921,
or on 021 863476

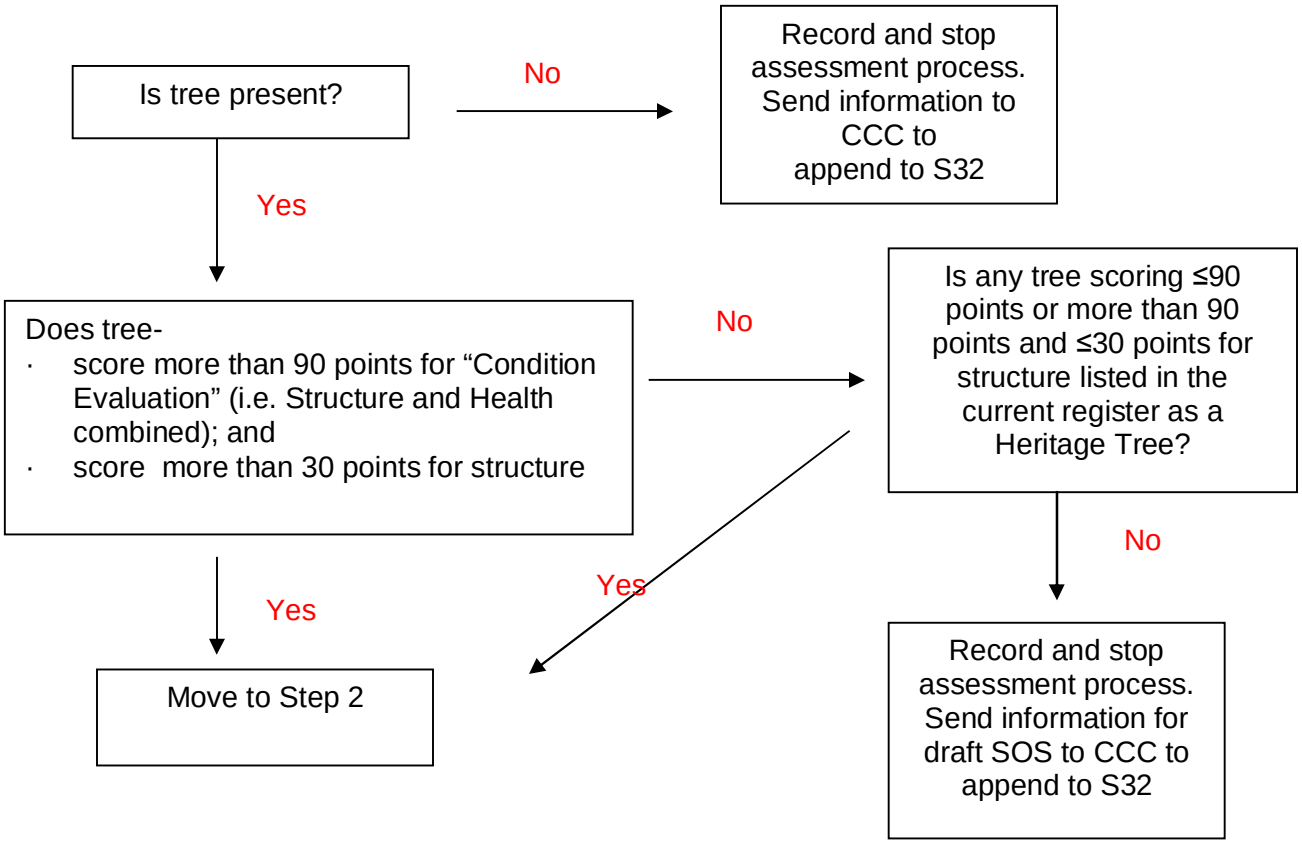
Robert Graham
Arboricultural Programme Coordinator
Wintec

11 Appendix 2 - Simplified Process Chart

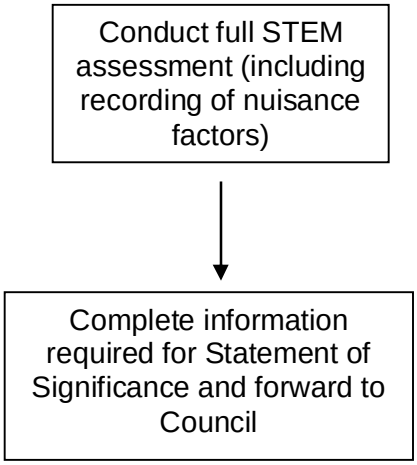
Protected Trees Assessment – Simplified Process Chart

A. Flow Path for Individual Trees

Step 1 Elimination assessment (Undertaken by Consultant)

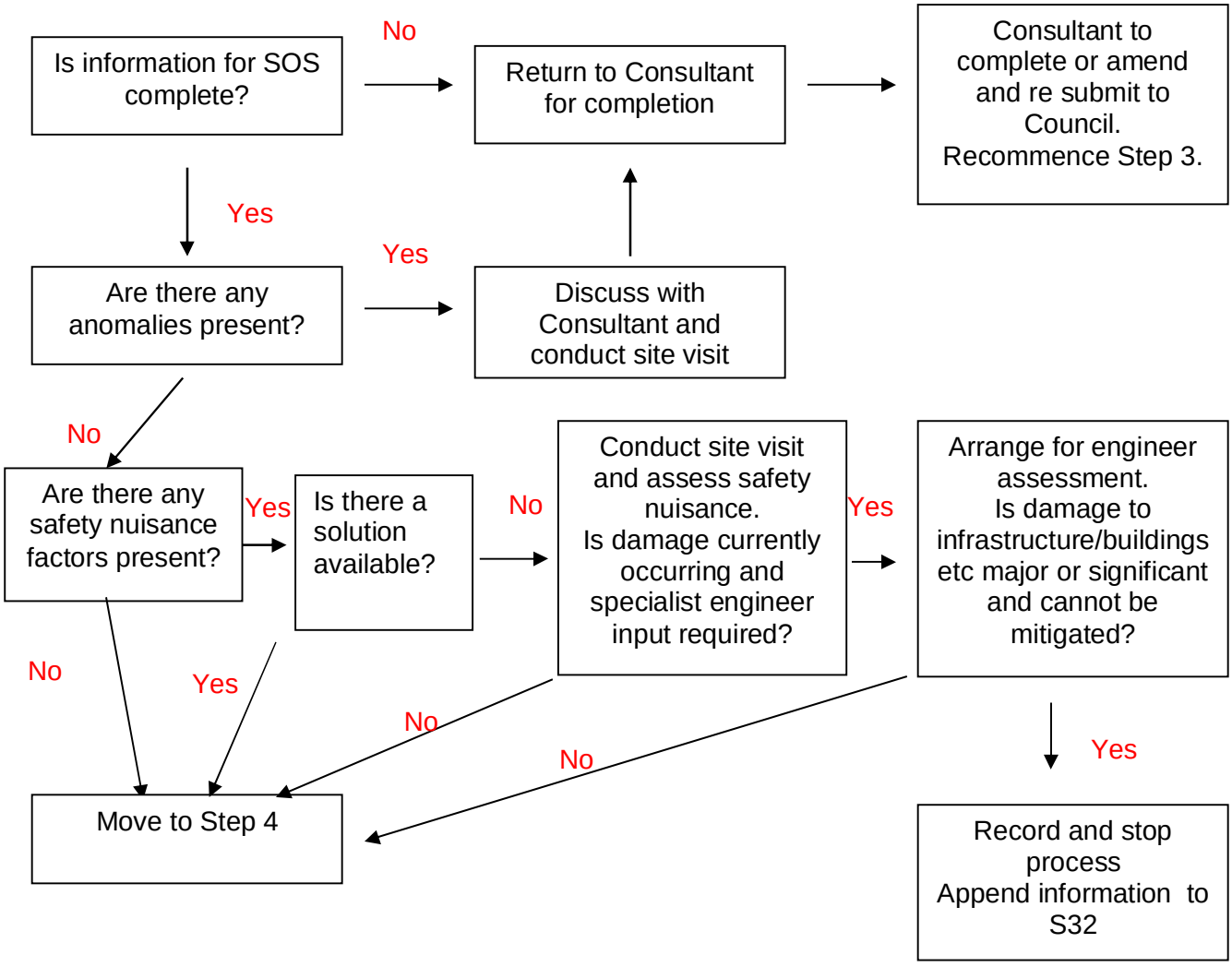


Step 2 Tree Assessment (Undertaken by Consultant)

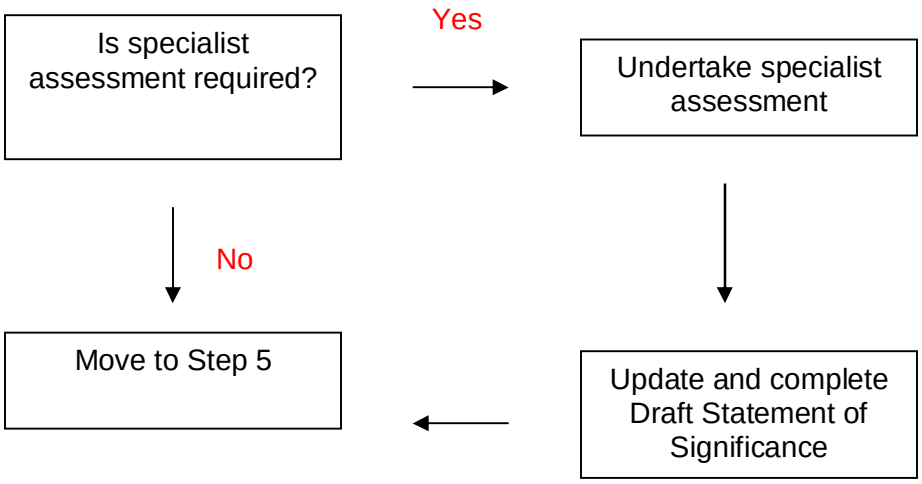


Step 3 **Peer Review (Undertaken by Council)**

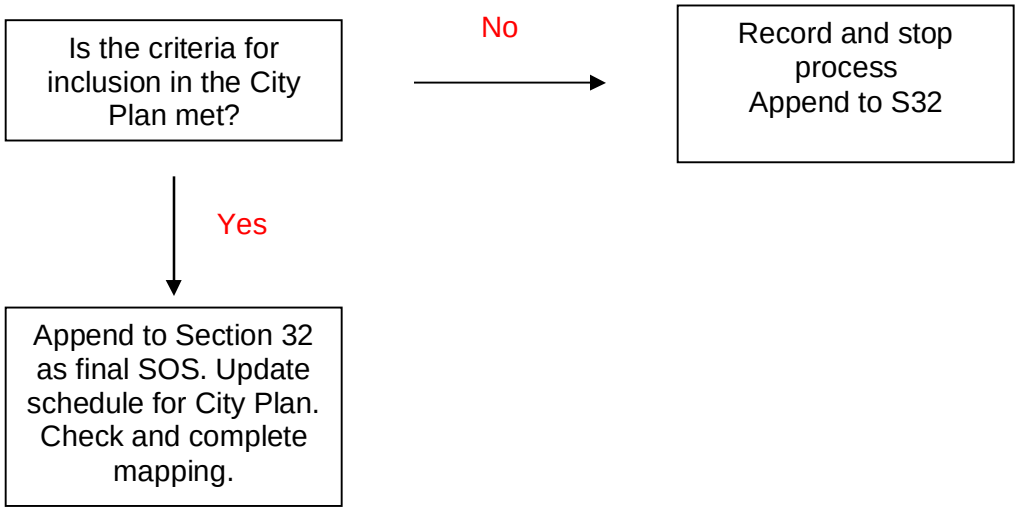
To confirm the completion of Draft Statement of Significance, identify and assess any anomalies in the assessment and identify any safety nuisance factors



Step 4 Peer Review - Assessment for Exceptional Evaluation (Undertaken by Council)

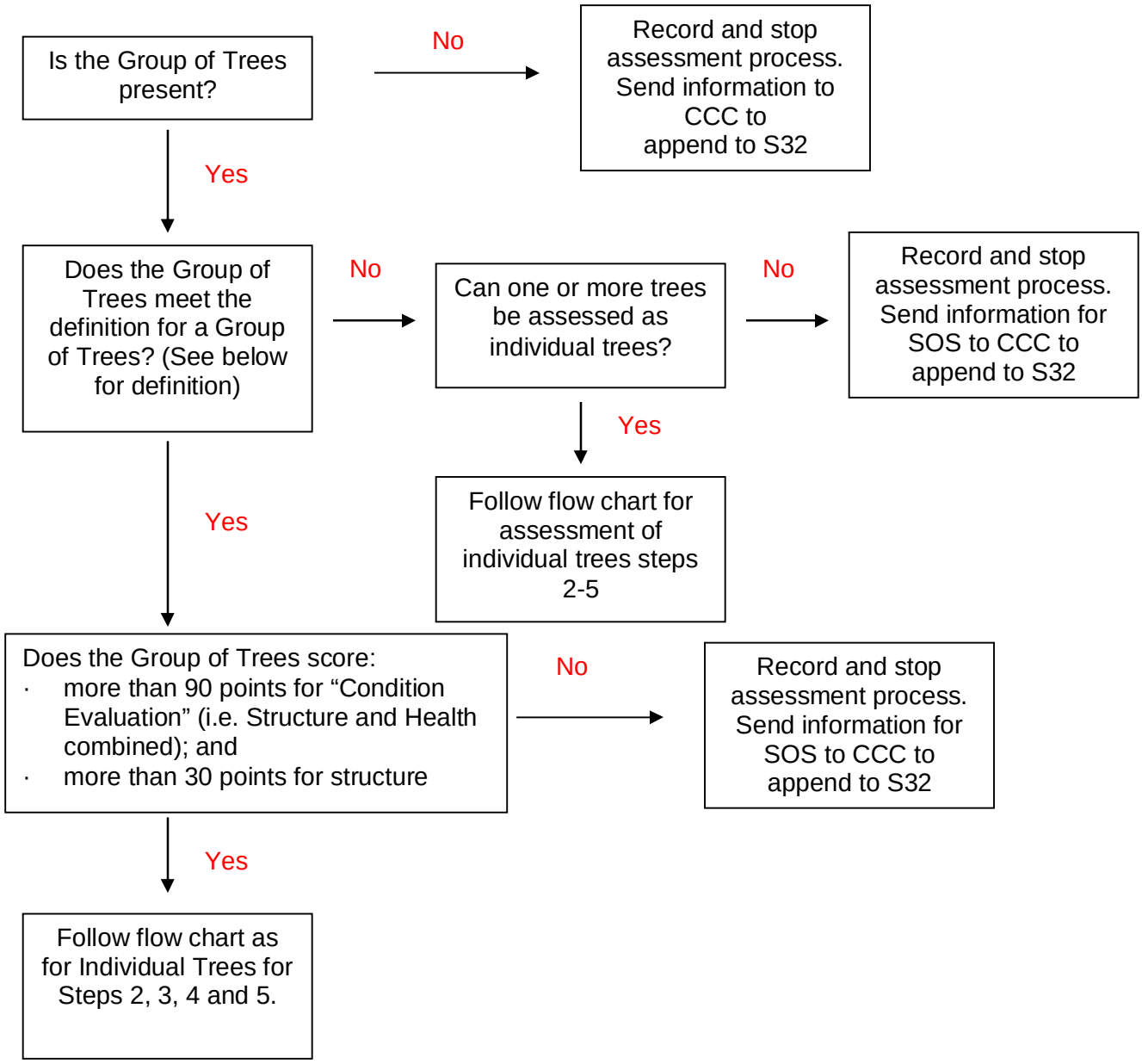


Step 5 Evaluation for Inclusion/Exclusion in City Plan (Undertaken by Council)



B. Flow Path for Groups of Trees

Step 1 Elimination assessment (Undertaken by Consultant)



12 Appendix 3 - Statements of Significance

12.1 Appendix 3 A - Statement of Significance: Individual Trees

Significant Tree Evaluation - Individual Trees:

Statement of Significance

Description:	**Botanical Name:** **Cultivar:** **Common Name:**		
Include in District Plan Y/N:	**Tree ID Number:**	**Asset ID GIS:**	
Address:			
Date of Inspection for District Plan:			
Company:			
Leaf Persistence:		**Native/Exotic:**	
Height (m)	**Spread N/S (m)**	**Spread E/W (m)**	**Diameter (cm)**

ARBORIST'S SUPPORTING NOTES:

Condition evaluation:

Estimated service life:

Landscape evaluation:

Environmental and Ecological evaluation:

Exceptional evaluation:

Photograph:

Condition Evaluation

Criteria	Score
Structure	
Health	
Subtotal	

Landscape Evaluation

Criteria	Score
Shape	
Stature (m)	
Canopy Dimension (m^2)	
Trunk Diameter (cm)	
Age (yr)	
Service Life (yr)	
Visibility (km)	
Location	
Role	
Suitability in the Landscape	
Subtotal	

Environmental and Ecological Evaluation

Criteria	Score
Services	
Canopy Dimension (m^3)	
Occurrence	
Subtotal	

Sub Total Points - Condition, Landscape, Environmental and Ecological | |

Exceptional Evaluation

Criteria	Score
Landscape	
Feature	
Shape	
Contribute to Heritage setting	
Heritage	
Age 100+	
Association	
Cultural Significance	
Commemoration	
Relict	
Botanical	
Source	
Remnant	
Threatened	
Subtotal	

Total Points

Nuisance

Nuisance Types	Present Y/N	Arboricultural or Property Maintenance or Medical Solution Y/N	Solution
Debris			
Environmental weed – is the tree listed in the CCC Pest Plan List?			
Currently damaging infrastructure			
Currently damaging buildings			
Currently damaging property			
Human health – is the tree listed · in the Inappropriate Trees and Plants list in the Christchurch City Council's Infrastructure Design Standards as having health association problems; or · by Landcare Research as plants to avoid in pre school centres or poisonous to children			
Shade			
Boundary encroachment			
Arborist Notes - Nuisance			

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[24] Aerial photographs of the tree are supplied to show the location of the tree within the property and give an indication of canopy size. In some instances where the property is large (e.g. rural areas) it is not possible to show the canopy size.

Points Allocation

Condition Evaluation

Points	10	30	50	70	90
Structure	Very Poor	Poor	Fair	Good	Very Good
Health	Very Poor	Poor	Fair	Good	Very Good

Landscape Evaluation

Points	10	30	50	70	90
Shape	Very Poor	Poor	Fair	Good	Very Good
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+
Canopy Dimension (m^2) Broadspreading	≤10	11 to 25	26 to 57	58 to 100	101+
Canopy Dimension (m^2) Pyramidal	≤12	13 to 33	34 to 64	65 to 100	100+
Canopy Dimension (m^2) Cylinder	≤36	37 to 72	73 to 120	121 to 280	280 +
Trunk Diameter (cm)	≤50	51 to 75	76 to 100	101 to 125	126+
Age (yr)	≤10	10 to 20	21 to 35	35 to 50	50+
Service Life (yr)	0 to 4	5 to 10	11 to 20	21 to 30	30+
Visibility (km)	Obscured	≤ 1	1 > ≤ 2	2 > ≤ 4	4 >
Location	Location 1	Location 2	Location 3	Location 4	Location 5
Role	≤20	40	60	80	100
Suitability in the Landscape	Very Poor	Poor	Fair	Good	Very Good

Environmental and Ecological Evaluation

Points	10	30	50	70	90
Services	10 to 29	20 to 39	40 to 59	60 to 79	80 to 100
Canopy Dimension (m^3) Broadspreading	<134	134 to 448	449 to1061	1062 to 2071	2072+
Canopy Dimension (m^3) Pyramidal	<93	93 to 231	232 to 521	522 to 894	895+
Canopy Dimension (m^3) Cylinder	<50	50 to 125	126 to 283	284 to 652	653+
Occurrence	Predominant	Common	Infrequent	Rare	Very rare

Exceptional Evaluation

Recognition	Local	City	Regional	National	International
Points	**10**	**30**	**50**	**70**	**90**
Landscape					
Feature					
Shape					
Contribute to Heritage setting					
Heritage					
Age 100+					
Association					
Cultural Significance					
Commemoration					
Relict					
Botanical					
Source					
Remnant					
Threatened					

Criteria for Listing in the Schedule of Significant Trees - Individual Trees

Exotic trees

- estimated service life in excess of 20 years (longevity in the landscape); and
- structure, health, shape, suitability in the landscape to be assessed as either good or very good; and
- not be causing a "safety" nuisance where there is no mitigation available; and
- a minimum of 15 metres height or an average of 10 metres width; and
- score a minimum total number of 770 evaluation points (including any points awarded under the "Exceptional" evaluation).

New Zealand native trees

- estimated service life in excess of 20 years (longevity in the landscape); and
- structure, health, shape, suitability in the landscape to be assessed as either good or very good; and
- not be causing a "safety" nuisance where there is no mitigation available; and
- a minimum of 10 metres height or an average of 8 metres width; and
- score a minimum total number of 690 evaluation points (including any points awarded under the "Exceptional" evaluation).

12.2 Appendix 3 B - Statement of Significance: Groups of Trees

Significant Tree Evaluation – Group of Trees: Statement of Significance

Tree Group Number:		**Include in District Plan Y/N:**	
Address:			
Date of Inspection for District Plan:			
Company:			
Group Height (m)	**Group Spread N/S (m)**	**Group Spread E/W (m)**	**Group Average DBH (cm)**
Botanical Name: **Cultivar:** **Common Name:** **Asset ID GIS:**			
Botanical Name: **Cultivar:** **Common Name:** **Asset ID GIS:**			
Botanical Name: **Cultivar:** **Common Name:** **Asset ID GIS:**			
Botanical Name: **Cultivar:** **Common Name:** **Asset ID GIS:**			
Botanical Name: **Cultivar:** **Common Name:** **Asset ID GIS:**			
Botanical Name: **Cultivar:** **Common Name:** **Asset ID GIS:**			
Botanical Name: **Cultivar:** **Common Name:** **Asset ID GIS:**			

Condition Evaluation

Criteria	Score
Structure	
Health	
Subtotal	

Landscape Evaluation

Criteria	Score
Shape	
Stature (m)	
Canopy Dimension (m^2)	
Trunk Diameter (cm)	
Age (yr)	
Service Life (yr)	
Visibility (km)	
Location	
Role	
Suitability in the Landscape	
Subtotal	

Environmental and Ecological Evaluation

Criteria	Score
Services	
Canopy Dimension (m^3)	
Occurrence	
Subtotal	

Sub Total Points - Condition, Landscape, Environmental and Ecological | |

Photograph:

Exceptional Evaluation

Criteria	Score
Landscape	
Feature	
Shape	
Contribute to Heritage setting	
Heritage	
Age 100+	
Association	
Cultural Significance	
Commemoration	
Relict	
Botanical	
Source	
Remnant	
Threatened	
Subtotal	

Total Points

Nuisance

Nuisance Types	Present Y/N	Arboricultural or Property Maintenance or Medical Solution Y/N	Solution
Debris			
Environmental weed – is the tree listed in the CCC Pest Plan List?			
Currently damaging infrastructure			
Currently damaging buildings			
Currently damaging property			
Human health – is the tree listed · in the Inappropriate Trees and Plants list in the Christchurch City Council's Infrastructure Design Standards as having health association problems; or · by Landcare Research as plants to avoid in pre school centres or poisonous to children			
Shade			
Boundary encroachment			
Arborist Notes - Nuisance			


Lot 4
DP 26252
15
5
6
11A
Lot 3

Points Allocation

Condition Evaluation

Points	10	30	50	70	90
Structure	Very Poor	Poor	Fair	Good	Very Good
Health	Very Poor	Poor	Fair	Good	Very Good

Landscape Evaluation

Points	10	30	50	70	90
Shape	Very Poor	Poor	Fair	Good	Very Good
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+
Canopy Dimension (m^2) Broadspreading	≤10	11 to 25	26 to 57	58 to 100	101+
Canopy Dimension (m^2) Pyramidal	≤12	13 to 33	34 to 64	65 to 100	100+
Canopy Dimension (m^2) Cylinder	≤36	37 to 72	73 to 120	121 to 280	280 +
Trunk Diameter (cm)	≤50	51 to 75	76 to 100	101 to 125	126+
Age (yr)	≤10	10 to 20	21 to 35	35 to 50	50+
Service Life (yr)	0 to 4	5 to 10	11 to 20	21 to 30	30+
Visibility (km)	Obscured	≤ 1	1 > ≤ 2	2 > ≤ 4	4 >
Location	Location 1	Location 2	Location 3	Location 4	Location 5
Role	≤20	40	60	80	100
Suitability in the Landscape	Very Poor	Poor	Fair	Good	Very Good

Environmental and Ecological Evaluation

Points	10	30	50	70	90
Services	10 to 29	20 to 39	40 to 59	60 to 79	80 to 100
Canopy Dimension (m^3) Broadspreading	<134	134 to 448	449 to1061	1062 to 2071	2072+
Canopy Dimension (m^3) Pyramidal	<93	93 to 231	232 to 521	522 to 894	895+
Canopy Dimension (m^3) Cylinder	<50	50 to 125	126 to 283	284 to 652	653+
Occurrence	Predominant	Common	Infrequent	Rare	Very rare

Exceptional Evaluation

Recognition	Local	City	Regional	National	International
Points	**10**	**30**	**50**	**70**	**90**
Landscape					
Feature					
Shape					
Contribute to Heritage setting					
Heritage					
Age 100+					
Association					
Cultural Significance					
Commemoration					
Relict					
Botanical					
Source					
Remnant					
Threatened					

Criteria for Listing in the Schedule of Significant Trees – Groups of Trees

Exotic or a mix or New Zealand native and exotic trees

- estimated service life in excess of 20 years (longevity in the landscape); and
- structure and health to be assessed as either good or very good; and
- shape and suitability in the landscape to be assessed as average, good or very good; and
- not be causing a "safety" nuisance where there is no mitigation available; and
- a minimum of 15 metres height or an average of 10 metres width; and
- score a minimum total number of 910 evaluation points (including any points awarded under the "Exceptional" evaluation).

New Zealand native trees

- estimated service life in excess of 20 years (longevity in the landscape); and
- structure and health to be assessed as either good or very good; and
- shape and suitability in the landscape to be assessed as average, good or very good; and
- not be causing a "safety" nuisance where there is no mitigation available; and
- a minimum of 10 metres height or an average of 8 metres width; and
- score a minimum total number of 870 evaluation points (including any points awarded under the "Exceptional" evaluation).

13 Appendix 4 - Botanist Report

Botanical Values of the Kowhai Trees at Templeton Golf Course

T. R. Partridge

Botanist, Christchurch City Council

Background

Specimen trees of importance are protected as individuals in the District Plan of Christchurch City Council. These comprise tree species that are either indigenous or exotic, but are usually those that have been planted. Such trees do not usually form a component of naturally functioning vegetation which may be dominated by either indigenous or exotic species or comprise a mixture of both.

Protecting trees in natural vegetation becomes problematic, because the ecosystem of which they are a component needs to have protection as well. In functioning ecosystems, individuals tend to matter less unless they have special characteristics such as rarity or size. In the situation of indigenous vegetation with woody components, this is usually done through the protection of areas of land with clearly identified biodiversity values, in the case of Christchurch City these have been Ecological Heritage Sites.

The process of identification and assessment of trees for protection in the District Plan now makes it very unlikely that trees growing as part of indigenous vegetation will be identified and protected on an individual basis. In the main, such trees are usually part of forest structure, such as the trees in Riccarton Bush, or those in forest on the Port Hills. The problematic system is the plains dryland savannah ecosystem, where trees, mostly kowhai (*Sophora microphylla*), exist as individuals or small groups in a grassland matrix. There is no forest, just isolated trees. Many of those kowhais have been protected as individuals in the City Plan, some occur in Ecological Heritage sites. This results in some having two forms of protection, others one and some have none at all.

Dryland Savannah

The pre-human vegetation of the Canterbury Plains comprised a complex mosaic of vegetation types determined by soil moisture. Wet areas contained swamp and fen habitats with areas of kahikatea (*Dacrycarpus dacrydioides*) forest being the main woody vegetation. Fertile soils with good moisture carried matai (*Prumnopitys taxifolia*) and totara (*Podocarpus totara*), but there were also areas where extremely dry conditions severely limited the types of trees that could grow there. Those areas were most often associated with the major braided rivers and were subjected to occasional clearance by floods which resulted in a cyclic re-colonisation succession process.

There were two types of this kind of low dryland woody vegetation on the Canterbury Plains. One was dominated by the plains kanuka (*Kunzea serotina*) and tended to be on older soils, while the younger more disturbed sites had dryland savannah with kowhai and a variety of native shrubs. The term ‘savannah’ describes a structural vegetation type that comprises scattered woody plants in a grassland matrix.

The trees are kept separate by the dry conditions, with their root systems being extensive and meeting, but the trunks never being able to form a canopy.

The dryland savannah vegetation of the Canterbury Plains has been successively reduced to tiny remnant areas following human arrival. Polynesian fires, European settlement, agriculture, exotic species and most recently quarrying and conversion to dairy farming have seen most of this dryland vegetation lost. There has also been something of a disconnect with the controlling environmental factors associated with flooding by the major rivers, which is now restricted or completely halted by stop banks designed to protect land.

Biodiversity Values

The remaining areas of dryland savannah are small, scattered and under continued threat. The Protected Natural Areas programme for Ecological Districts is based on the scientifically justifiable principle that if within an Ecological District, a vegetation type/habitat has been reduced below 20% of its original extent, then all remnant areas have value. It has been estimated from studies undertaken on the Canterbury Plains that there is less than 2% of the original vegetation remaining, and for the dryland savannah and plains kanuka that amount is less than 0.5%. That clearly indicates that all areas of dryland savannah have value irrespective of their condition.

Even in this perilous state, losses are still occurring, sometimes through neglect, other times deliberately. Only two small remnants are in ownership of Department of Conservation, one at Bankside, the other at Eyrewell. Christchurch City Council owns three small remnant areas at McLeans Island Grassland Park, Templeton Golf Course and at Springs Road, although the latter has no trees. Environment Canterbury also owns land with dryland savannah at McLeans Island.

Kowhai is now a minor component of these areas of remnant savannah. Some of the larger trees have been protected by fencing but most sit in grazed pasture. Grazing is necessary because of the risk of fire from growth of exotic grasses as most of the short native danthonia grasses have been replaced by larger Australian equivalents, or exotic pasture species. Floods no longer rejuvenate the herbaceous component of the vegetation. The exception is at Templeton Golf Course where a remarkably large number have remained protected from grazing damage and fires through the very different land use.

There are a number of other shrubby species of note in the dryland savannah, the most important being the recently-described plains tree daisy (*Olearia adenocarpa*) which is unfortunately not at all graze resistant so individual specimens have been caged. This species has a National Threatened Species category of ‘Nationally Critical’ the highest threat that any living plant can receive.

Kowhais of Templeton Golf Course

The largest accumulation of naturally growing original (pre-European) kowhai trees on the Canterbury Plains occurs at Templeton Golf Course. There are 33 mature trees of South Island kowhai (*Sophora microphylla*) and one prostrate kowhai (*Sophora prostrata*). There are also five protected trees on the adjacent land at Ruapuna Raceway. From their size and shape they are clearly of such an age and not planted.

A report undertaken by Lancewood Forestry Limited in 2011 indicated that none would qualify for protection as individuals from an arboricultural point of view, but had clear botanical values.

Determining actual age is impossible as the trees show signs of having re-sprouted in the past and no single trunk is likely to be original. Also in such an extreme environment, trees frequently fail to produce growth rings in years of stress, so any measurement would be an under-estimate. It also seems that many of the trunks are hollow inside, making the obtaining of ages through coring extremely difficult. What is clear is that the trees have suffered considerable damage in the past, probably from floods and fires, but not of the kinds of post-European settlement and farming practices that have seen them disappear from so many other sites, a process that continues today. They will be at least 160 years old. Whether they are as old as the ancient kahikateas of Riccarton Bush at mostly 300 to 500 years is impossible to know, but they certainly are some of the oldest living plants of the Canterbury Plains

Such ancient specimens have values beyond those of normal vegetation. They represent ‘touch-stones’, a connection with the past which is very important in understanding where we came from. They can also be used in this way to educate, much as the ancient residents of Riccarton Bush are valued. These trees are also a sure guarantee that any seed collected from them is of genuine local provenance, something that is so important in ecological restoration.

These kowhai trees are considered to be in poor condition and of poor structure when being considered for protection under tree assessment criteria and would likely fail to qualify. But under botanical criteria they would rank very highly, so protection needs to be ensured so that these ancient inhabitants can exist, even in the highly modified habitat of a golf course. Until 5 years ago they were accompanied by an interesting and notable assemblage of other native plants that persisted in the roughs and other refugia in the course. Unfortunately in the last few years, most have been lost through more intensive course management, so today the kowhais remain somewhat in isolation, the last remnant of the original dryland savannah that once occurred there.

If these trees cannot be protected as individual specimens as in the past, then it falls to a form of ecological protection such as through the present Ecological Heritage Site designation. However, the recent loss of other biodiversity values of the site may result in it not qualifying as being significant. Furthermore, it could be argued that these trees represent ‘living fossils’ that have no connection with the controlling environmental factors of drought and river floods that maintained the vegetation in the past.

But, even considering these issues, there is still strong botanical justification for their protection:

1. They are very old, pre-European inhabitants of the Canterbury Plains, there is extremely little left of anything of this age;
2. They represent remnants of a former vegetation that has declined to such critically low amounts that even the most modified remnants are of value;
3. They comprise the greatest density of naturally growing kowhai on the Canterbury Plains;

4. Trees such as these are the perfect seed source to ensure botanical integrity for restoration plantings;
5. These trees are a botanical ‘touch-stone’ to our ancient past and have considerable heritage and educational values as a result;
6. Being in public ownership, there is the opportunity for restoration of something closer to the original dryland savannah at the site

Together, these values constitute a compelling case as to why the kowhais of Templeton Golf Course need protection. Their loss would constitute a significant backward step in the maintenance of critically threatened botanical values on the already depleted Canterbury Plains.

14 Appendix 5 – City Wide List of Trees Not Proposed For Inclusion

Street Number	Street	Ward	Tree Specimen ID	Botanical Name	Cultivar	Common Name	Reason for Non Inclusion
50	Acacia Avenue	Riccarton-Wigram	1156	Cedrus deodara		Deodar Cedar	Did not meet criteria
50	Acacia Avenue	Riccarton-Wigram	1157	Pseudotsuga menziesii		Douglas Fir	Did not meet criteria
50	Acacia Avenue	Riccarton-Wigram	1158	Quercus robur		English Oak	Did not meet criteria
50	Acacia Avenue	Riccarton-Wigram	1159	Quercus robur		English Oak	Did not meet criteria
50	Acacia Avenue	Riccarton-Wigram	1192	Ulmus procera		English Elm	Did not meet criteria
50	Acacia Avenue	Riccarton-Wigram	1194	Quercus robur		English Oak	Did not meet criteria
50	Acacia Avenue	Riccarton-Wigram	1320	Quercus robur		English Oak	Did not meet criteria
50	Acacia Avenue	Riccarton-Wigram	1362	Quercus robur		English Oak	Did not meet criteria
50	Acacia Avenue	Riccarton-Wigram	1367	Quercus robur		English Oak	Did not meet criteria
50	Acacia Avenue	Riccarton-Wigram	1368	Quercus robur		English Oak	Did not meet criteria
33	Aikmans Road	Fendalton-Waimairi	3740	Ginkgo biloba		Maidenhair Tree	Did not meet criteria
33	Aikmans Road	Fendalton-Waimairi	3742	Quercus coccinea		Scarlet Oak	Did not meet criteria
33	Aikmans Road	Fendalton-Waimairi	3743	Juglans regia		Common Walnut	Did not meet criteria
22	Albert Terrace	Spreydon-Heathcote	2672	Quercus robur		English Oak	Did not meet criteria
1/1	Andrews Crescent	Spreydon-Heathcote	130559	Agonis		Myrtle	Tree not present
245	Antigua Street	Hagley-Ferrymead	3292	Betula pendula		Silver Birch	Did not meet criteria
245	Antigua Street	Hagley-Ferrymead	3295	Ilex aquifolium		Common Holly	Did not meet criteria
245	Antigua Street	Hagley-Ferrymead	3296	Quercus robur		English Oak	Did not meet criteria
245	Antigua Street	Hagley-Ferrymead	3297	Quercus robur		English Oak	Did not meet criteria
245	Antigua Street	Hagley-Ferrymead	3310	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
10	Aranoni Track	Hagley-Ferrymead	4855	Metrosideros excelsa		Pohutukawa	Did not meet criteria
85	Armagh Street	Hagley-Ferrymead	3261	Aesculus hippocastanum		Horse Chestnut	Did not meet criteria
480	Armagh Street	Hagley-Ferrymead	4567	Morus nigra		Common Mulberry	Did not meet criteria
480	Armagh Street	Hagley-Ferrymead	4568	Pseudopanax crassifolium		Lancewood	Did not meet criteria
85	Armagh Street	Hagley-Ferrymead	3259	Alnus glutinosa		Common Alder	Did not meet criteria
85	Armagh Street	Hagley-Ferrymead	3264	Cordyline australis		Cabbage Tree	Did not meet criteria
85	Armagh Street	Hagley-Ferrymead	3265	Cordyline australis		Cabbage Tree	Did not meet criteria
13	Aylmers Valley Road	Banks Peninsula	65792	Araucaria heterophylla		Norfolk Island Pine	Did not meet criteria
81A	Aynsley Terrace	Spreydon-Heathcote	2715	Quercus robur		English Oak	Did not meet criteria
77A	Aynsley Terrace	Spreydon-Heathcote	2716	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
75	Aynsley Terrace	Spreydon-Heathcote	2720	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
73	Aynsley Terrace	Spreydon-Heathcote	2721	Quercus palustris		Pin Oak	Did not meet criteria

73	Aynsley Terrace	Spreydon-Heathcote	2722	Ulmus minor Variegata		Variegated Smooth-leaved Elm	Did not meet criteria
77	Aynsley Terrace	Spreydon-Heathcote	2723	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
75	Aynsley Terrace	Spreydon-Heathcote	2724	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
3	Aynsley Terrace	Spreydon-Heathcote	2725	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
2/24	Banks Avenue	Burwood-Pegasus	6020	Sciadopitys verticillata		Umbrella Pine	Did not meet criteria
21	Bannister Place	Fendalton-Waimairi	1686	Fraxinus excelsior Jaspidea		Golden Ash	Did not meet criteria
140	Barbadoes Street	Hagley-Ferrymead	3346	Corynocarpus laevigatus		Karaka	Did not meet criteria
122	Barbadoes Street	Hagley-Ferrymead	4557	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
122	Barbadoes Street	Hagley-Ferrymead	4558	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
140	Barbadoes Street	Hagley-Ferrymead	4559	Ginkgo biloba		Maidenhair Tree	Did not meet criteria
2/79	Beachville Road	Hagley-Ferrymead	4856	Myoporum laetum		Ngaio	Did not meet criteria
82	Bealey Avenue	Hagley-Ferrymead	3450	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
82	Bealey Avenue	Hagley-Ferrymead	3451	Ulmus procera		English Elm	Did not meet criteria
302	Bealey Avenue	Hagley-Ferrymead	4554	Ulmus procera		English Elm	Did not meet criteria
61	Belfast Road	Shirley-Papanui	100816	Platanus x acerifolia	occidentalis x orientalis	London Plane	Did not meet criteria
61	Belfast Road	Shirley-Papanui	100817	Ulmus glabra		Wych Elm	Did not meet criteria
61	Belfast Road	Shirley-Papanui	100818	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
61	Belfast Road	Shirley-Papanui	133042	Maytenus boaria		Mayten Tree	Did not meet criteria
12	Bells Road	Banks Peninsula	65936	Aesculus hippocastanum		Horse Chestnut	Did not meet criteria
12	Bells Road	Banks Peninsula	65937	Tilia x europaea		Common Lime	Did not meet criteria
12	Bells Road	Banks Peninsula	65940	Juglans regia		Common Walnut	Did not meet criteria
12	Bells Road	Banks Peninsula	65941	Betula pendula		Silver Birch	Did not meet criteria
12	Bells Road	Banks Peninsula	65942	Populus nigra Italica		Lombardy Poplar	Tree Not Present
12	Bells Road	Banks Peninsula	65943	Ilex aquifolium Pyramidalis		Holly	Did not meet criteria
12	Bells Road	Banks Peninsula	65946	Juglans regia		Common Walnut	Did not meet criteria
12	Bells Road	Banks Peninsula	65947	Populus nigra Italica		Lombardy Poplar	Did not meet criteria
12	Bells Road	Banks Peninsula	65948	Populus nigra Italica		Lombardy Poplar	Did not meet criteria
12	Bells Road	Banks Peninsula	65949	Populus nigra Italica		Lombardy Poplar	Did not meet criteria
12	Bells Road	Banks Peninsula	65950	Populus nigra Italica		Lombardy Poplar	Did not meet criteria
12	Bells Road	Banks Peninsula	65942	Populus nigra Italica		Lombardy Poplar	Tree not present
16	Bishop Street	Shirley-Papanui	3481	Ulmus glabra Pendula		Weeping Elm	Did not meet criteria
8	Blair Avenue	Shirley-Papanui	5677	Liquidambar styraciflua		Sweet Gum	Did not meet criteria
12	Blakes Road	Shirley-Papanui	6272	Aesculus hippocastanum		Horse Chestnut	Did not meet criteria
12	Blakes Road	Shirley-Papanui	6273	Trachycarpus fortunei		Chusan Palm	Did not meet criteria
10	Blakes Road	Shirley-Papanui	6274	Ulmus glabra Camperdownii		Camperdown Elm	Did not meet criteria
10	Blakes Road	Shirley-Papanui	6275	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
10	Blakes Road	Shirley-Papanui	6276	Maytenus boaria		Mayten Tree	Did not meet criteria
10	Blakes Road	Shirley-Papanui	6277	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
10	Blakes Road	Shirley-Papanui	6278	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
10	Blakes Road	Shirley-Papanui	6279	Liriodendron tulipifera		Tulip Tree	Did not meet criteria
10	Blakes Road	Shirley-Papanui	133041	Taxus baccata Fastigata		Irish Yew	Did not meet criteria
19	Blakes Road	Shirley-Papanui	133043	Fagus sylvatica		European Beech	Did not meet criteria

19	Blakes Road	Shirley-Papanui	133044	Ulmus glabra Lutescens		Golden Elm	Did not meet criteria
19	Blakes Road	Shirley-Papanui	133046	Platanus orientalis		Oriental Plane	Did not meet criteria
19	Blakes Road	Shirley-Papanui	133047	Ulmus glabra		Wych Elm	Did not meet criteria
115	Blighs Road	Shirley-Papanui	5675	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
61	Bridle Path Road	Hagley-Ferrymead	1985	Juglans regia		Common Walnut	Did not meet criteria
61	Bridle Path Road	Hagley-Ferrymead	1986	Quercus robur		English Oak	Did not meet criteria
61	Bridle Path Road	Hagley-Ferrymead	1987	Quercus robur		English Oak	Did not meet criteria
116	Bridle Path Road	Hagley-Ferrymead	1995	Cedrus deodara		Deodar Cedar	Did not meet criteria
116	Bridle Path Road	Hagley-Ferrymead	1996	Fraxinus excelsior Aurea		Golden Ash	Did not meet criteria
116	Bridle Path Road	Hagley-Ferrymead	1997	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
150A	Bridle Path Road	Hagley-Ferrymead	1998	Quercus robur		English Oak	Did not meet criteria
78	Bridle Path Road	Hagley-Ferrymead	1999	Quercus robur		English Oak	Tree not present
56	Bristol Street	Shirley-Papanui	3486	Juglans regia		Common Walnut	Did not meet criteria
92	Bristol Street	Shirley-Papanui	3706	Platanus orientalis		Oriental Plane	Did not meet criteria
92	Bristol Street	Shirley-Papanui	3707	Cupressus macrocarpa		Monterey Cypress	Did not meet criteria
92	Bristol Street	Shirley-Papanui	3710	Morus nigra		Common Mulberry	Did not meet criteria
92	Bristol Street	Shirley-Papanui	3712	Ulmus glabra Camperdownii		Camperdown Elm	Did not meet criteria
1/59	Brockworth Place	Riccarton-Wigram	3482	Nothofagus solandri		Black Beech	Did not meet criteria
6/4	Brockworth Place	Riccarton-Wigram	108921	Arbutus unedo		Irish Strawberry Tree	Did not meet criteria
22	Brougham Street	Spreydon-Heathcote	2259	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
22	Brougham Street	Spreydon-Heathcote	2268	Quercus cerris		Turkey Oak	Did not meet criteria
220	Brougham Street	Spreydon-Heathcote	2274	Cedrus deodara		Deodar Cedar	Did not meet criteria
220	Brougham Street	Spreydon-Heathcote	2275	Aesculus hippocastanum		Horse Chestnut	Did not meet criteria
220	Brougham Street	Spreydon-Heathcote	2276	Ulmus procera		English Elm	Did not meet criteria
220	Brougham Street	Spreydon-Heathcote	2277	Ulmus procera		English Elm	Did not meet criteria
220	Brougham Street	Spreydon-Heathcote	2278	Ulmus procera		English Elm	Did not meet criteria
53	Browns Road	Fendalton-Waimairi	5676	Quercus robur		English Oak	Did not meet criteria
51	Browns Road	Fendalton-Waimairi	5842	Ulmus procera		English Elm	Did not meet criteria
23	Bruce Terrace	Banks Peninsula	65816	Sophora microphylla Early Gold		Kowhai	Did not meet criteria
12	Bruce Terrace	Banks Peninsula	65851	Quercus rubra		Red Oak	Did not meet criteria
263	Cambridge Terrace	Hagley-Ferrymead	3302	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
16A	Camp Bay Road	Banks Peninsula	65932	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
16A	Camp Bay Road	Banks Peninsula	65933	Brachychiton populneus		Kurrajong	Did not meet criteria
16A	Camp Bay Road	Banks Peninsula	65934	Araucaria heterophylla		Norfolk Island Pine	Did not meet criteria
16A	Camp Bay Road	Banks Peninsula	65935	Araucaria bidwillii		Bunya Bunya	Did not meet criteria
11	Campbell Street	Hagley-Ferrymead	2085	Phoenix canariensis		Canary Island Palm	Did not meet criteria
11	Campbell Street	Hagley-Ferrymead	2086	Quercus palustris		Pin Oak	Did not meet criteria
79	Carmen Road	Riccarton-Wigram	882	Cedrus deodara		Deodar Cedar	Did not meet criteria
79	Carmen Road	Riccarton-Wigram	885	Plagianthus regius		Ribbonwood	Did not meet criteria
22	Cashel Street	Hagley-Ferrymead	3293	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1838	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
93A	Cashmere Road	Spreydon-Heathcote	1839	Taxodium distichum		Swamp Cypress	Did not meet criteria

151	Cashmere Road	Spreydon-Heathcote	1840	Eucalyptus viminalis		Manna Gum	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1841	Quercus robur		English Oak	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1842	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1843	Eucalyptus viminalis		Manna Gum	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1844	Eucalyptus viminalis		Manna Gum	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1845	Fraxinus excelsior Aurea		Golden Ash	Tree Not Present
151	Cashmere Road	Spreydon-Heathcote	1847	Cupressus torulosa		Bhutan Cypress	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1848	Cupressus torulosa		Bhutan Cypress	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1849	Ulmus procera		English Elm	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1850	Ulmus procera		English Elm	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1851	Quercus palustris		Pin Oak	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1852	Quercus cerris		Turkey Oak	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1853	Quercus robur		English Oak	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1854	Quercus robur		English Oak	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1855	Quercus robur		English Oak	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1856	Acer pseudoplatanus		Sycamore	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1857	Cupressus torulosa		Bhutan Cypress	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1858	Cupressus torulosa		Bhutan Cypress	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1878	Acer pseudoplatanus		Sycamore	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1879	Rhododendron		Rhododendron	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1880	Rhododendron		Rhododendron	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1892	Quercus robur		English Oak	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1895	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1896	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1897	Chamaecyparis lawsoniana		Lawson Cypress	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1898	Cryptomeria japonica		Japanese Cedar	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1899	Ulmus procera		English Elm	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1900	Ulmus procera		English Elm	Did not meet criteria
67	Cashmere Road	Spreydon-Heathcote	2236	Pseudopanax crassifolium		Lancewood	Did not meet criteria
151	Cashmere Road	Spreydon-Heathcote	1845	Fraxinus excelsior Aurea		Golden Ash	Tree not present
116	Centaurus Road	Spreydon-Heathcote	2673	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
116	Centaurus Road	Spreydon-Heathcote	2674	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
133	Centaurus Road	Spreydon-Heathcote	2675	Ulmus procera		English Elm	Did not meet criteria
333	Centaurus Road	Spreydon-Heathcote	2714	Quercus ilex		Holm Oak	Did not meet criteria
343	Centaurus Road	Spreydon-Heathcote	2786	Phoenix canariensis		Canary Island Palm	Did not meet criteria
343	Centaurus Road	Spreydon-Heathcote	2787	Phoenix canariensis		Canary Island Palm	Did not meet criteria
343	Centaurus Road	Spreydon-Heathcote	2788	Phoenix canariensis		Canary Island Palm	Did not meet criteria
343	Centaurus Road	Spreydon-Heathcote	2789	Phoenix canariensis		Canary Island Palm	Did not meet criteria
34A	Centennial Avenue	Riccarton-Wigram	1460	Hoheria angustifolia		Narrow-leaved Lacebark	Tree Not Present
4	Cephas Close	Riccarton-Wigram	1172	Quercus ilex		Holm Oak	Did not meet criteria
4A	Cephas Close	Riccarton-Wigram	1173	Fagus sylvatica		European Beech	Did not meet criteria
6	Cephas Close	Riccarton-Wigram	1567	Cupressus macrocarpa		Monterey Cypress	Did not meet criteria

66	Chester Street West	Hagley-Ferrymead	3253	Taxus baccata Fastigata		Irish Yew	Did not meet criteria
66	Chester Street West	Hagley-Ferrymead	3254	Taxus baccata Fastigata		Irish Yew	Did not meet criteria
66	Chester Street West	Hagley-Ferrymead	3257	Platanus x acerifolia	occidentalis x orientalis	London Plane	Did not meet criteria
3045	Christchurch Akaroa Road	Banks Peninsula	65879	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
4345	Christchurch Akaroa Road	Banks Peninsula	65905	Podocarpus totara		Totara	Did not meet criteria
4183	Christchurch Akaroa Road	Banks Peninsula	65907	Cedrus deodara		Deodar Cedar	Did not meet criteria
4183	Christchurch Akaroa Road	Banks Peninsula	65908	Cedrus deodara		Deodar Cedar	Did not meet criteria
4183	Christchurch Akaroa Road	Banks Peninsula	65909	Cedrus deodara		Deodar Cedar	Did not meet criteria
6683	Christchurch Akaroa Road	Banks Peninsula	65952	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
6683	Christchurch Akaroa Road	Banks Peninsula	65953	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
6683	Christchurch Akaroa Road	Banks Peninsula	65954	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
24	Church Lane	Fendalton-Waimairi	3764	Acer pseudoplatanus		Sycamore	Did not meet criteria
71	Church Road	Banks Peninsula	65912	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
65	Church Road	Banks Peninsula	65913	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
71	Church Road	Banks Peninsula	131497	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
69	Church Road	Banks Peninsula	131499	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
69	Church Road	Banks Peninsula	131500	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
69	Church Road	Banks Peninsula	131501	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
61	Church Road	Banks Peninsula	131502	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
69	Church Road	Banks Peninsula	131503	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
18	Church Square	Spreydon-Heathcote	2253	Pseudopanax crassifolium		Lancewood	Did not meet criteria
30	Church Square	Spreydon-Heathcote	2279	Cupressus torulosa		Bhutan Cypress	Did not meet criteria
30	Church Square	Spreydon-Heathcote	2280	Quercus robur		English Oak	Did not meet criteria
30	Church Square	Spreydon-Heathcote	2281	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
30	Church Square	Spreydon-Heathcote	2282	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
30	Church Square	Spreydon-Heathcote	2283	Quercus robur		English Oak	Did not meet criteria
30	Church Square	Spreydon-Heathcote	2285	Quercus robur		English Oak	Did not meet criteria
30	Church Square	Spreydon-Heathcote	2286	Ulmus x hollandica	carpinifolia x glabra x plotii	Dutch Elm	Did not meet criteria
30	Church Square	Spreydon-Heathcote	2303	Acer pseudoplatanus		Sycamore	Did not meet criteria
30	Church Square	Spreydon-Heathcote	2304	Acer pseudoplatanus		Sycamore	Did not meet criteria
30	Church Square	Spreydon-Heathcote	2305	Quercus robur		English Oak	Did not meet criteria
30	Church Square	Spreydon-Heathcote	2306	Acer pseudoplatanus		Sycamore	Tree Not Present
16	Circuit Street	Fendalton-Waimairi	5829	Juglans regia		Common Walnut	Did not meet criteria
16	Circuit Street	Fendalton-Waimairi	5830	Juglans regia		Common Walnut	Did not meet criteria
8	Circuit Street	Fendalton-Waimairi	5832	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
16	Circuit Street	Fendalton-Waimairi	5833	Liriodendron tulipifera		Tulip Tree	Did not meet criteria
3	Clifton Bay	Hagley-Ferrymead	4870	Metrosideros excelsa		Pohutukawa	Did not meet criteria
3	Clifton Bay	Hagley-Ferrymead	4872	Washingtonia robusta		Washington Palm	Did not meet criteria
3	Clifton Bay	Hagley-Ferrymead	4876	Brahea edulis		Guadalupe Palm	Did not meet criteria
3	Clifton Bay	Hagley-Ferrymead	4878	Livistona australis		Cabbage Tree Palm	Did not meet criteria
3	Clifton Bay	Hagley-Ferrymead	4880	Ficus elastica		Rubber Tree	Did not meet criteria
3	Clifton Bay	Hagley-Ferrymead	4881	Araucaria heterophylla		Norfolk Island Pine	Did not meet criteria

3	Clifton Bay	Hagley-Ferrymead	4882	Ficus elastica		Rubber Tree	Did not meet criteria
3	Clifton Bay	Hagley-Ferrymead	4883	Vitex lucens		Puriri	Did not meet criteria
3	Clifton Bay	Hagley-Ferrymead	4884	Quercus ilex		Holm Oak	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1410	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree Not Present
109	Clyde Road	Fendalton-Waimairi	1411	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree Not Present
109	Clyde Road	Fendalton-Waimairi	1412	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree Not Present
109	Clyde Road	Fendalton-Waimairi	1413	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree Not Present
109	Clyde Road	Fendalton-Waimairi	1414	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree Not Present
109	Clyde Road	Fendalton-Waimairi	1473	Tilia x europaea		Common Lime	Did not meet criteria
168	Clyde Road	Fendalton-Waimairi	1370	Quercus robur		English Oak	Did not meet criteria
168	Clyde Road	Fendalton-Waimairi	1371	Nothofagus fusca		Red Beech	Did not meet criteria
168	Clyde Road	Fendalton-Waimairi	1372	Nothofagus fusca		Red Beech	Did not meet criteria
168	Clyde Road	Fendalton-Waimairi	1373	Quercus robur		English Oak	Did not meet criteria
168	Clyde Road	Fendalton-Waimairi	1374	Quercus robur		English Oak	Did not meet criteria
168	Clyde Road	Fendalton-Waimairi	1376	Tilia x europaea		Common Lime	Did not meet criteria
168	Clyde Road	Fendalton-Waimairi	1377	Juglans regia		Common Walnut	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1391	Nothofagus solandri 'cliffortioides'		Mountain Beech	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1392	Juglans regia		Common Walnut	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1393	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1395	Plagianthus regius		Ribbonwood	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1396	Cedrus libani		Cedar of Lebanon	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1398	Cedrus deodara		Deodar Cedar	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1401	Ulmus procera		English Elm	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1402	Ulmus procera		English Elm	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1403	Tilia x europaea		Common Lime	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1404	Aesculus hippocastanum		Horse Chestnut	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1405	Ulmus procera		English Elm	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1406	Tilia x europaea		Common Lime	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1407	Platanus x acerifolia		London Plane	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1415	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1416	Quercus palustris		Pin Oak	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1417	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1470	Ulmus procera		English Elm	Did not meet criteria
83	Clyde Road	Riccarton-Wigram	1150	Fraxinus excelsior Aurea		Golden Ash	Did not meet criteria
83	Clyde Road	Riccarton-Wigram	1153	Chamaecyparis lawsoniana		Lawson Cypress	Did not meet criteria
88C	Clyde Road	Riccarton-Wigram	1240	Ulmus x hollandica	carpinifolia x glabra x plotii	Dutch Elm	Did not meet criteria
88C	Clyde Road	Riccarton-Wigram	1241	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
36	Clyde Road	Riccarton-Wigram	1356	Quercus palustris		Pin Oak	Did not meet criteria
109	Clyde Road	Fendalton-Waimairi	1410	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree not present
109	Clyde Road	Fendalton-Waimairi	1411	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree not present
109	Clyde Road	Fendalton-Waimairi	1412	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree not present
109	Clyde Road	Fendalton-Waimairi	1413	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree not present

109	Clyde Road	Fendalton-Waimairi	1414	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree not present
	Cnr Aubrey and Bruce	Banks Peninsula	65806	Phoenix canariensis		Canary Island Palm	Did not meet criteria
	Cnr Aubrey and Bruce	Banks Peninsula	65807	Phoenix canariensis		Canary Island Palm	Did not meet criteria
	Cnr Aubrey and Bruce	Banks Peninsula	65809	Phoenix canariensis		Canary Island Palm	Did not meet criteria
36	Colenso Street	Hagley-Ferrymead	2091	Eucalyptus bridgesiana		Applebox Gum	Did not meet criteria
876	Colombo Street	Hagley-Ferrymead	3274	Quercus robur		English Oak	Did not meet criteria
885	Colombo Street	Hagley-Ferrymead	3285	Chamaecyparis lawsoniana		Lawson Cypress	Did not meet criteria
885	Colombo Street	Hagley-Ferrymead	3286	Ulmus glabra Camperdownii		Camperdown Elm	Did not meet criteria
885	Colombo Street	Hagley-Ferrymead	3287	Quercus ilex		Holm Oak	Did not meet criteria
885	Colombo Street	Hagley-Ferrymead	3291	Acer pseudoplatanus		Sycamore	Did not meet criteria
885	Colombo Street	Hagley-Ferrymead	3303	Aesculus hippocastanum		Horse Chestnut	Did not meet criteria
885	Colombo Street	Hagley-Ferrymead	3304	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
888	Colombo Street	Hagley-Ferrymead	3350	Cedrus deodara		Deodar Cedar	Did not meet criteria
22A	Colombo Street	Spreydon-Heathcote	2238	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
24	Colombo Street	Spreydon-Heathcote	2239	Quercus robur		English Oak	Did not meet criteria
30A	Colombo Street	Spreydon-Heathcote	2240	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
221	Colombo Street	Spreydon-Heathcote	2254	Phoenix canariensis		Canary Island Palm	Did not meet criteria
383	Colombo Street	Spreydon-Heathcote	2340	Ilex aquifolium		Common Holly	Did not meet criteria
1	Dallas Street	Riccarton-Wigram	1459	Podocarpus hallii		Hall's Totara	Did not meet criteria
7	Daresbury Lane	Fendalton-Waimairi	3689	Populus nigra Italica		Lombardy Poplar	Did not meet criteria
9	Daresbury Lane	Fendalton-Waimairi	4379	Ginkgo biloba		Maidenhair Tree	Did not meet criteria
9	Daresbury Lane	Fendalton-Waimairi	4381	Magnolia soulangiana		Saucer Magnolia	Did not meet criteria
9	Daresbury Lane	Fendalton-Waimairi	4382	Quercus robur		English Oak	Did not meet criteria
9	Daresbury Lane	Fendalton-Waimairi	4392	Quercus cerris		Turkey Oak	Did not meet criteria
9	Daresbury Lane	Fendalton-Waimairi	4393	Quercus robur		English Oak	Did not meet criteria
8/27	Darvel Street	Riccarton-Wigram	3692	Quercus palustris		Pin Oak	Did not meet criteria
159	Deans Avenue	Riccarton-Wigram	3756	Chamaecyparis lawsoniana		Lawson Cypress	Tree Not Present
189	Deans Avenue	Riccarton-Wigram	3771	Maytenus boaria		Mayten Tree	Tree Not Present
189	Deans Avenue	Riccarton-Wigram	3772	Eucalyptus delegatensis		Alpine Ash	Tree Not Present
189	Deans Avenue	Riccarton-Wigram	3773	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
189	Deans Avenue	Riccarton-Wigram	3774	Betula pendula		Silver Birch	Did not meet criteria
189	Deans Avenue	Riccarton-Wigram	3775	Quercus robur		English Oak	Did not meet criteria
189	Deans Avenue	Riccarton-Wigram	3776	Fraxinus excelsior		English Ash	Did not meet criteria
189	Deans Avenue	Riccarton-Wigram	3777	Aesculus x carnea	hippocastaneum x pavia	Pink Horse Chestnut	Did not meet criteria
159	Deans Avenue	Riccarton-Wigram	3756	Chamaecyparis lawsoniana		Lawson Cypress	Tree not present
189	Deans Avenue	Riccarton-Wigram	3771	Maytenus boaria		Mayten Tree	Tree not present
189	Deans Avenue	Riccarton-Wigram	3772	Eucalyptus delegatensis		Alpine Ash	Tree not present
2	Division Street	Riccarton-Wigram	1462	Cordyline australis		Cabbage Tree	Did not meet criteria
282	Durham Street North	Hagley-Ferrymead	3266	Quercus robur		English Oak	Did not meet criteria
435	Durham Street North	Hagley-Ferrymead	3314	Agathis australis		Kauri	Did not meet criteria
2/400	Durham Street North	Hagley-Ferrymead	3344	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
243	Durham Street South	Hagley-Ferrymead	3336	Acer pseudoplatanus		Sycamore	Did not meet criteria

54	Dyers Pass Road	Spreydon-Heathcote	1859	Cedrus deodara		Deodar Cedar	Did not meet criteria
54	Dyers Pass Road	Spreydon-Heathcote	1860	Cedrus deodara		Deodar Cedar	Did not meet criteria
54	Dyers Pass Road	Spreydon-Heathcote	1861	Eucalyptus globulus		Tasmanian Blue Gum	Tree Not Present
54	Dyers Pass Road	Spreydon-Heathcote	1905	Acer pseudoplatanus		Sycamore	Did not meet criteria
236	Dyers Pass Road	Spreydon-Heathcote	1908	Pinus radiata		Monterey Pine	Tree Not Present
54	Dyers Pass Road	Spreydon-Heathcote	1861	Eucalyptus globulus		Tasmanian Blue Gum	Tree not present
236	Dyers Pass Road	Spreydon-Heathcote	1908	Pinus radiata		Monterey Pine	Tree not present
1/164	Edgeware Road	Shirley-Papanui	3494	Dacrydium cupressinum		Rimu	Did not meet criteria
1/177	Edgeware Road	Shirley-Papanui	3495	Liquidambar styraciflua		Sweet Gum	Did not meet criteria
124	Elizabeth Street	Riccarton-Wigram	1480	Plagianthus regius		Ribbonwood	Did not meet criteria
24	Exeter Street	Banks Peninsula	65918	Metrosideros excelsa		Pohutukawa	Did not meet criteria
39	Fendalton Road	Fendalton-Waimairi	3505	Betula pendula		Silver Birch	Tree Not Present
142	Fendalton Road	Fendalton-Waimairi	1148	Fagus sylvatica		European Beech	Did not meet criteria
123	Fendalton Road	Fendalton-Waimairi	1358	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
123	Fendalton Road	Fendalton-Waimairi	1359	Quercus coccinea		Scarlet Oak	Did not meet criteria
123	Fendalton Road	Fendalton-Waimairi	1360	Platanus x acerifolia		London Plane	Did not meet criteria
67	Fendalton Road	Fendalton-Waimairi	4385	Quercus robur		English Oak	Did not meet criteria
67	Fendalton Road	Fendalton-Waimairi	4386	Quercus robur		English Oak	Did not meet criteria
67	Fendalton Road	Fendalton-Waimairi	4387	Quercus robur		English Oak	Did not meet criteria
67	Fendalton Road	Fendalton-Waimairi	4388	Quercus robur		English Oak	Did not meet criteria
67	Fendalton Road	Fendalton-Waimairi	4389	Quercus robur		English Oak	Did not meet criteria
67	Fendalton Road	Fendalton-Waimairi	4390	Quercus robur		English Oak	Did not meet criteria
1/165	Fendalton Road	Fendalton-Waimairi	1345	Quercus palustris		Pin Oak	Did not meet criteria
39	Fendalton Road	Fendalton-Waimairi	3505	Betula pendula		Silver Birch	Tree not present
7/142	Ferry Road	Hagley-Ferrymead	4572	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
987	Ferry Road	Hagley-Ferrymead	4839	Myoporum laetum		Ngaio	Tree Not Present
2	Flavell Street	Hagley-Ferrymead	1989	Schinus molle		Pepper Tree	Did not meet criteria
2	Flavell Street	Hagley-Ferrymead	1990	Schinus molle		Pepper Tree	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2756	Fagus sylvatica		European Beech	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2757	Ulmus procera		English Elm	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2759	Catalpa bignonioides		Indian Bean Tree	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2760	Fraxinus excelsior		English Ash	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2761	Aesculus hippocastanum		Horse Chestnut	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2762	Fraxinus excelsior		English Ash	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2763	Prunus avium		Wild Cherry	Tree Not Present
30	Ford Road	Spreydon-Heathcote	2764	Fraxinus excelsior		English Ash	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2765	Fraxinus excelsior		English Ash	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2766	Fraxinus excelsior		English Ash	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2767	Catalpa bignonioides		Indian Bean Tree	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2774	Ulmus procera		English Elm	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2776	Quercus coccinea		Scarlet Oak	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2777	Fraxinus excelsior		English Ash	Did not meet criteria

30	Ford Road	Spreydon-Heathcote	2778	Fraxinus excelsior		English Ash	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2758	Acer pseudoplatanus		Sycamore	Did not meet criteria
30	Ford Road	Spreydon-Heathcote	2763	Prunus avium		Wild Cherry	Tree not present
6	Gates Lane	Hagley-Ferrymead	2698	Juglans regia		Common Walnut	Did not meet criteria
74	Gayhurst Road	Burwood-Pegasus	4665	Ulmus glabra Camperdownii		Camperdown Elm	Tree Not Present
263	Gebbies Pass Road	Banks Peninsula	65882	Pinus radiata		Monterey Pine	Did not meet criteria
263	Gebbies Pass Road	Banks Peninsula	65883	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
263	Gebbies Pass Road	Banks Peninsula	65884	Juglans		Walnut	Did not meet criteria
263	Gebbies Pass Road	Banks Peninsula	65885	Juglans		Walnut	Did not meet criteria
263	Gebbies Pass Road	Banks Peninsula	65886	Juglans		Walnut	Did not meet criteria
263	Gebbies Pass Road	Banks Peninsula	65887	Juglans		Walnut	Did not meet criteria
263	Gebbies Pass Road	Banks Peninsula	65888	Juglans		Walnut	Did not meet criteria
263	Gebbies Pass Road	Banks Peninsula	65889	Cupressus macrocarpa		Monterey Cypress	Did not meet criteria
360	Gebbies Pass Road	Banks Peninsula	65890	Pseudopanax		Lancewood	Did not meet criteria
834	Gebbies Pass Road	Banks Peninsula	65955	Quercus robur		English Oak	Did not meet criteria
60	Glandovey Road	Fendalton-Waimairi	1607	Tilia x europaea		Common Lime	Tree Not Present
60	Glandovey Road	Fendalton-Waimairi	1628	Nestegis cunninghamii		Black Maire	Tree Not Present
60	Glandovey Road	Fendalton-Waimairi	1632	Dacrydium cupressinum		Rimu	Tree Not Present
27	Glandovey Road	Fendalton-Waimairi	1442	Platanus x acerifolia		London Plane	Tree Not Present
21	Glandovey Road	Fendalton-Waimairi	1177	Liquidambar styraciflua		Sweet Gum	Did not meet criteria
26A	Glandovey Road	Fendalton-Waimairi	1178	Juglans regia		Common Walnut	Did not meet criteria
26	Glandovey Road	Fendalton-Waimairi	1179	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
32B	Glandovey Road	Fendalton-Waimairi	1180	Fraxinus excelsior		English Ash	Did not meet criteria
51	Glandovey Road	Fendalton-Waimairi	1182	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
88A	Glandovey Road	Fendalton-Waimairi	1233	Tilia x europaea		Common Lime	Did not meet criteria
32A	Glandovey Road	Fendalton-Waimairi	1310	Quercus robur		English Oak	Did not meet criteria
12	Glandovey Road	Fendalton-Waimairi	1355	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
60	Glandovey Road	Fendalton-Waimairi	1364	Quercus rubra		Red Oak	Did not meet criteria
60	Glandovey Road	Fendalton-Waimairi	1365	Acer monspessulanum		Montpelier Maple	Did not meet criteria
27	Glandovey Road	Fendalton-Waimairi	1443	Platanus x acerifolia		London Plane	Did not meet criteria
27	Glandovey Road	Fendalton-Waimairi	1444	Platanus x acerifolia		London Plane	Did not meet criteria
27	Glandovey Road	Fendalton-Waimairi	1445	Platanus x acerifolia		London Plane	Did not meet criteria
27	Glandovey Road	Fendalton-Waimairi	1446	Platanus x acerifolia		London Plane	Did not meet criteria
27	Glandovey Road	Fendalton-Waimairi	1447	Platanus x acerifolia		London Plane	Did not meet criteria
27	Glandovey Road	Fendalton-Waimairi	1448	Platanus x acerifolia		London Plane	Did not meet criteria
27	Glandovey Road	Fendalton-Waimairi	1449	Platanus x acerifolia		London Plane	Did not meet criteria
27	Glandovey Road	Fendalton-Waimairi	1450	Platanus x acerifolia		London Plane	Did not meet criteria
27	Glandovey Road	Fendalton-Waimairi	1451	Platanus x acerifolia		London Plane	Did not meet criteria
93	Glandovey Road	Fendalton-Waimairi	3510	Quercus robur		English Oak	Did not meet criteria
118	Glandovey Road	Fendalton-Waimairi	3511	Magnolia grandiflora		Southern Magnolia	Tree Not Present
140	Glandovey Road	Fendalton-Waimairi	3720	Ginkgo biloba		Maidenhair Tree	Did not meet criteria
140	Glandovey Road	Fendalton-Waimairi	3721	Quercus robur		English Oak	Did not meet criteria

104	Glandovey Road	Fendalton-Waimairi	3727	Sequoia sempervirens		Coast Redwood	Did not meet criteria
104	Glandovey Road	Fendalton-Waimairi	3728	Ulmus glabra Camperdownii		Camperdown Elm	Did not meet criteria
27	Glandovey Road	Fendalton-Waimairi	1595	Alnus glutinosa		Common Alder	Did not meet criteria
60	Glandovey Road	Fendalton-Waimairi	1607	Tilia x europaea		Common Lime	Tree not present
60	Glandovey Road	Fendalton-Waimairi	1628	Nestegis cunninghamii		Black Maire	Tree not present
60	Glandovey Road	Fendalton-Waimairi	1632	Dacrydium cupressinum		Rimu	Tree not present
27	Glandovey Road	Fendalton-Waimairi	1442	Platanus x acerifolia		London Plane	Tree not present
118	Glandovey Road	Fendalton-Waimairi	3511	Magnolia grandiflora		Southern Magnolia	Tree not present
19	Gleneagles Terrace	Fendalton-Waimairi	1389	Calocedrus decurrens		Incense Cedar	Did not meet criteria
19	Gleneagles Terrace	Fendalton-Waimairi	1390	Juglans nigra		Black Walnut	Did not meet criteria
18	Gloucester Street	Hagley-Ferrymead	3294	Fraxinus excelsior		English Ash	Did not meet criteria
311	Gloucester Street	Hagley-Ferrymead	3375	Quercus robur		English Oak	Did not meet criteria
311	Gloucester Street	Hagley-Ferrymead	4555	Agathis australis		Kauri	Did not meet criteria
311	Gloucester Street	Hagley-Ferrymead	4560	Juglans regia		Common Walnut	Did not meet criteria
311	Gloucester Street	Hagley-Ferrymead	4561	Quercus coccinea		Scarlet Oak	Did not meet criteria
311	Gloucester Street	Hagley-Ferrymead	4563	Fraxinus excelsior		English Ash	Did not meet criteria
311	Gloucester Street	Hagley-Ferrymead	4564	Nothofagus solandri		Black Beech	Did not meet criteria
311	Gloucester Street	Hagley-Ferrymead	4565	Nothofagus solandri		Black Beech	Did not meet criteria
1/346	Gloucester Street	Hagley-Ferrymead	4575	Plagianthus regius		Ribbonwood	Did not meet criteria
2/346	Gloucester Street	Hagley-Ferrymead	4576	Plagianthus regius		Ribbonwood	Did not meet criteria
1/346	Gloucester Street	Hagley-Ferrymead	4577	Plagianthus regius		Ribbonwood	Did not meet criteria
94	Governors Bay Road	Banks Peninsula	131491	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
151	Greers Road	Fendalton-Waimairi	5203	Cordyline australis		Cabbage Tree	Did not meet criteria
463	Greers Road	Fendalton-Waimairi	5287	Quercus robur		English Oak	Did not meet criteria
463	Greers Road	Fendalton-Waimairi	5282	Quercus robur		English Oak	Did not meet criteria
463	Greers Road	Fendalton-Waimairi	5283	Quercus robur		English Oak	Did not meet criteria
463	Greers Road	Fendalton-Waimairi	5284	Quercus robur		English Oak	Did not meet criteria
463	Greers Road	Fendalton-Waimairi	5285	Quercus robur		English Oak	Did not meet criteria
463	Greers Road	Fendalton-Waimairi	5286	Ulmus x hollandica		Dutch Elm	Did not meet criteria
463	Greers Road	Fendalton-Waimairi	5289	Quercus robur		English Oak	Did not meet criteria
85	Grehan Valley Road	Banks Peninsula	65831	Prumnopitys taxifolia		Matai	Did not meet criteria
81	Grehan Valley Road	Banks Peninsula	65832	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
81	Grehan Valley Road	Banks Peninsula	65833	Eucalyptus		Gum	Tree Not Present
61	Grehan Valley Road	Banks Peninsula	65835	Podocarpus totara		Totara	Tree Not Present
61	Grehan Valley Road	Banks Peninsula	65837	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
50	Gresford Street	Shirley-Papanui	4578	Ulmus glabra Camperdownii		Camperdown Elm	Did not meet criteria
27	Guys Road	Fendalton-Waimairi	4978	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
27	Guys Road	Fendalton-Waimairi	4979	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
27	Guys Road	Fendalton-Waimairi	4980	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
33	Guys Road	Fendalton-Waimairi	4981	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
33	Guys Road	Fendalton-Waimairi	4982	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
33	Guys Road	Fendalton-Waimairi	4983	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria

33	Guys Road	Fendalton-Waimairi	4984	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
33	Guys Road	Fendalton-Waimairi	4985	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
33	Guys Road	Fendalton-Waimairi	4986	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
33	Guys Road	Fendalton-Waimairi	4987	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
33	Guys Road	Fendalton-Waimairi	4988	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
33	Guys Road	Fendalton-Waimairi	4990	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
33	Guys Road	Fendalton-Waimairi	4991	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
33	Guys Road	Fendalton-Waimairi	4992	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
33	Guys Road	Fendalton-Waimairi	4993	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
33	Guys Road	Fendalton-Waimairi	4995	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
33	Guys Road	Fendalton-Waimairi	4996	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
21	Gwynfa Avenue	Spreydon-Heathcote	1828	Ulmus procera		English Elm	Did not meet criteria
11	Gwynfa Avenue	Spreydon-Heathcote	132400	Pseudopanax crassifolium		Lancewood	Did not meet criteria
36	Hackthorne Road	Spreydon-Heathcote	1863	Metrosideros excelsa		Pohutukawa	Did not meet criteria
50	Hackthorne Road	Spreydon-Heathcote	1864	Metrosideros excelsa		Pohutukawa	Did not meet criteria
63	Hackthorne Road	Spreydon-Heathcote	1865	Araucaria heterophylla		Norfolk Island Pine	Did not meet criteria
70	Hackthorne Road	Spreydon-Heathcote	1866	Eucalyptus		Gum	Did not meet criteria
36	Hackthorne Road	Spreydon-Heathcote	1882	Pseudopanax crassifolium		Lancewood	Did not meet criteria
510	Hagley Avenue	Hagley-Ferrymead	3377	Fraxinus excelsior		English Ash	Did not meet criteria
510	Hagley Avenue	Hagley-Ferrymead	3378	Quercus robur		English Oak	Did not meet criteria
510	Hagley Avenue	Hagley-Ferrymead	3379	Aesculus hippocastanum		Horse Chestnut	Did not meet criteria
510	Hagley Avenue	Hagley-Ferrymead	3380	Quercus robur		English Oak	Did not meet criteria
510	Hagley Avenue	Hagley-Ferrymead	3381	Quercus robur		English Oak	Did not meet criteria
510	Hagley Avenue	Hagley-Ferrymead	3382	Quercus robur		English Oak	Did not meet criteria
510	Hagley Avenue	Hagley-Ferrymead	3383	Quercus robur		English Oak	Did not meet criteria
510	Hagley Avenue	Hagley-Ferrymead	3384	Fraxinus excelsior		English Ash	Did not meet criteria
510	Hagley Avenue	Hagley-Ferrymead	3385	Ulmus procera		English Elm	Did not meet criteria
510	Hagley Avenue	Hagley-Ferrymead	3386	Quercus robur		English Oak	Did not meet criteria
510	Hagley Avenue	Hagley-Ferrymead	3387	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
16	Halswell Junction Road	Riccarton-Wigram	95	Juglans regia		Common Walnut	Did not meet criteria
14	Halswell Junction Road	Riccarton-Wigram	96	Pseudopanax crassifolium		Lancewood	Did not meet criteria
2	Halswell Road	Spreydon-Heathcote	703	Magnolia delavayi		Chinese Evergreen Magnolia	Did not meet criteria
2	Halswell Road	Spreydon-Heathcote	705	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
2	Halswell Road	Spreydon-Heathcote	706	Quercus palustris		Pin Oak	Did not meet criteria
2	Halswell Road	Spreydon-Heathcote	707	Ulmus procera		English Elm	Did not meet criteria
2	Halswell Road	Spreydon-Heathcote	712	Platanus orientalis		Oriental Plane	Did not meet criteria
2	Halswell Road	Spreydon-Heathcote	715	Fraxinus excelsior		English Ash	Did not meet criteria
2	Halswell Road	Spreydon-Heathcote	718	Aesculus hippocastanum		Horse Chestnut	Did not meet criteria
2	Halswell Road	Spreydon-Heathcote	719	Acer campestre		Field Maple	Did not meet criteria
2	Halswell Road	Spreydon-Heathcote	720	Platanus x acerifolia	occidentalis x orientalis	London Plane	Did not meet criteria
2	Halswell Road	Spreydon-Heathcote	721	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
75	Hansons Lane	Riccarton-Wigram	1185	Quercus robur		English Oak	Did not meet criteria

75	Hansons Lane	Riccarton-Wigram	1186	Ulmus procera		English Elm	Did not meet criteria
75	Hansons Lane	Riccarton-Wigram	1187	Cedrus deodara		Deodar Cedar	Did not meet criteria
75	Hansons Lane	Riccarton-Wigram	1188	Cedrus deodara		Deodar Cedar	Did not meet criteria
75	Hansons Lane	Riccarton-Wigram	1189	Quercus palustris		Pin Oak	Did not meet criteria
75	Hansons Lane	Riccarton-Wigram	1190	Pseudotsuga menziesii		Douglas Fir	Did not meet criteria
75	Hansons Lane	Riccarton-Wigram	1191	Quercus robur		English Oak	Did not meet criteria
1/74	Harakeke Street	Fendalton-Waimairi	3522	Tilia x europaea		Common Lime	Did not meet criteria
76	Harakeke Street	Fendalton-Waimairi	3523	Ulmus procera		English Elm	Did not meet criteria
73	Harakeke Street	Fendalton-Waimairi	3778	Platanus x acerifolia		London Plane	Did not meet criteria
75	Harakeke Street	Fendalton-Waimairi	3779	Platanus x acerifolia		London Plane	Did not meet criteria
39	Harakeke Street	Riccarton-Wigram	3690	Quercus rubra		Red Oak	Did not meet criteria
7	Harakeke Street	Riccarton-Wigram	3691	Cordyline australis		Cabbage Tree	Did not meet criteria
23	Harakeke Street	Riccarton-Wigram	3783	Plagianthus regius		Ribbonwood	Did not meet criteria
23	Harakeke Street	Riccarton-Wigram	3784	Plagianthus regius		Ribbonwood	Did not meet criteria
70	Harakeke Street	Riccarton-Wigram	3795	Pittosporum eugenioides		Lemonwood	Tree Not Present
53	Harakeke Street	Riccarton-Wigram	3813	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
70	Harakeke Street	Riccarton-Wigram	3795	Pittosporum eugenioides		Lemonwood	Tree not present
522	Harewood Road	Fendalton-Waimairi	5567	Ulmus procera		English Elm	Did not meet criteria
522	Harewood Road	Fendalton-Waimairi	5568	Ulmus procera		English Elm	Did not meet criteria
91	Harewood Road	Shirley-Papanui	5204	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
91	Harewood Road	Shirley-Papanui	5205	Cedrus deodara		Deodar Cedar	Did not meet criteria
91	Harewood Road	Shirley-Papanui	5292	Ulmus procera		English Elm	Did not meet criteria
54	Harewood Road	Shirley-Papanui	5843	Liriodendron tulipifera		Tulip Tree	Did not meet criteria
32	Harrow Street	Hagley-Ferrymead	4579	Quercus robur		English Oak	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2648	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2649	Thuja plicata		Western Red Cedar	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2650	Thuja plicata		Western Red Cedar	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2651	Quercus robur		English Oak	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2652	Quercus robur		English Oak	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2654	Trachycarpus fortunei		Chusan Palm	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2655	Juglans regia		Common Walnut	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2656	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2657	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2658	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2659	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2660	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2661	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2662	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2663	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2664	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
14	Hawford Road	Spreydon-Heathcote	2665	Quercus palustris		Pin Oak	Did not meet criteria
11	Hawford Road	Spreydon-Heathcote	2681	Catalpa bignonioides		Indian Bean Tree	Did not meet criteria

44	Hawford Road	Spreydon-Heathcote	2684	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
44	Hawford Road	Spreydon-Heathcote	2685	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
44	Hawford Road	Spreydon-Heathcote	2686	Ulmus x hollandica	carpinifolia x glabra x plotii	Dutch Elm	Did not meet criteria
44	Hawford Road	Spreydon-Heathcote	2687	Ulmus x hollandica	carpinifolia x glabra x plotii	Dutch Elm	Did not meet criteria
46	Hawford Road	Spreydon-Heathcote	2791	Griselinia littoralis		Broadleaf	Did not meet criteria
46	Hawford Road	Spreydon-Heathcote	2792	Quercus robur		English Oak	Did not meet criteria
44	Hawford Road	Spreydon-Heathcote	2684	Eucalyptus globulus		Tasmanian Blue Gum	Tree not assessed
44	Hawford Road	Spreydon-Heathcote	2685	Eucalyptus globulus		Tasmanian Blue Gum	Tree not assessed
44	Hawford Road	Spreydon-Heathcote	2686	Ulmus x hollandica	carpinifolia x glabra x plotii	Dutch Elm	Tree not assessed
44	Hawford Road	Spreydon-Heathcote	2687	Ulmus x hollandica	carpinifolia x glabra x plotii	Dutch Elm	Tree not assessed
2	Hawthornden Road	Fendalton-Waimairi	5052	Ulmus procera		English Elm	Tree Not Present
2	Hawthornden Road	Fendalton-Waimairi	5034	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5035	Cupressus macrocarpa		Monterey Cypress	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5036	Fraxinus excelsior		English Ash	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5037	Quercus robur		English Oak	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5038	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5039	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5040	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5041	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5042	Fraxinus excelsior		English Ash	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5043	Quercus robur		English Oak	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5044	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5045	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5046	Quercus robur		English Oak	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5047	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5048	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5049	Cedrus deodara		Deodar Cedar	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5050	Ulmus carpinifolia		Smooth-leaved Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5051	Cedrus atlantica		Atlas Cedar	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5053	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5054	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5055	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5056	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5057	Nothofagus fusca		Red Beech	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5058	Nothofagus solandri		Black Beech	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5059	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5060	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5061	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5062	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5063	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5064	Ulmus procera		English Elm	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5065	Ulmus procera		English Elm	Did not meet criteria

2	Hawthornden Road	Fendalton-Waimairi	5066	Quercus robur		English Oak	Did not meet criteria
2	Hawthornden Road	Fendalton-Waimairi	5052	Ulmus procera		English Elm	Tree not present
40C	Head Street	Hagley-Ferrymead	2064	Cedrus atlantica		Atlas Cedar	Did not meet criteria
3	Heathfield Avenue	Fendalton-Waimairi	1571	Acer pseudoplatanus		Sycamore	Did not meet criteria
3	Heathfield Avenue	Fendalton-Waimairi	1572	Acer pseudoplatanus		Sycamore	Did not meet criteria
3	Heathfield Avenue	Fendalton-Waimairi	1573	Acer pseudoplatanus		Sycamore	Did not meet criteria
16	Heaton Street	Fendalton-Waimairi	3765	Liquidambar styraciflua		Sweet Gum	Did not meet criteria
16	Heaton Street	Fendalton-Waimairi	3767	Quercus palustris		Pin Oak	Did not meet criteria
16	Heaton Street	Fendalton-Waimairi	3768	Ulmus procera		English Elm	Did not meet criteria
16	Heaton Street	Fendalton-Waimairi	3769	Ulmus procera		English Elm	Did not meet criteria
16	Heaton Street	Fendalton-Waimairi	3770	Quercus robur		English Oak	Did not meet criteria
41	Helmores Lane	Fendalton-Waimairi	3804	Betula pendula		Silver Birch	Tree Not Present
16	Helmores Lane	Fendalton-Waimairi	3715	Robinia pseudoacacia		Black Locust	Did not meet criteria
19	Helmores Lane	Fendalton-Waimairi	3718	Tilia x europaea		Common Lime	Did not meet criteria
29	Helmores Lane	Fendalton-Waimairi	3724	Quercus robur		English Oak	Did not meet criteria
41	Helmores Lane	Fendalton-Waimairi	3799	Betula pendula		Silver Birch	Did not meet criteria
41	Helmores Lane	Fendalton-Waimairi	3800	Betula pendula		Silver Birch	Did not meet criteria
41	Helmores Lane	Fendalton-Waimairi	3801	Betula pendula		Silver Birch	Did not meet criteria
41	Helmores Lane	Fendalton-Waimairi	3803	Betula pendula		Silver Birch	Did not meet criteria
41	Helmores Lane	Fendalton-Waimairi	3805	Betula pendula		Silver Birch	Did not meet criteria
41	Helmores Lane	Fendalton-Waimairi	3806	Betula pendula		Silver Birch	Did not meet criteria
41	Helmores Lane	Fendalton-Waimairi	3808	Betula pendula		Silver Birch	Did not meet criteria
41	Helmores Lane	Fendalton-Waimairi	3809	Betula pendula		Silver Birch	Did not meet criteria
41	Helmores Lane	Fendalton-Waimairi	3810	Betula pendula		Silver Birch	Did not meet criteria
41	Helmores Lane	Fendalton-Waimairi	3811	Betula pendula		Silver Birch	Did not meet criteria
41	Helmores Lane	Fendalton-Waimairi	3812	Betula pendula		Silver Birch	Did not meet criteria
2A	Helmores Lane	Fendalton-Waimairi	3719	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
41	Helmores Lane	Fendalton-Waimairi	3804	Betula pendula		Silver Birch	Tree not present
16	Hendon Street	Shirley-Papanui	6022	Agathis australis		Kauri	Did not meet criteria
16	Hendon Street	Shirley-Papanui	6023	Chamaecyparis obtusa		Hinoki Cypress	Did not meet criteria
16	Hendon Street	Shirley-Papanui	6024	Liquidambar styraciflua		Sweet Gum	Did not meet criteria
16	Hendon Street	Shirley-Papanui	6025	Podocarpus totara		Totara	Did not meet criteria
16	Hendon Street	Shirley-Papanui	6026	Pseudopanax crassifolium		Lancewood	Did not meet criteria
16	Hendon Street	Shirley-Papanui	6027	Chamaecyparis obtusa		Hinoki Cypress	Did not meet criteria
16	Hendon Street	Shirley-Papanui	6029	Juglans regia		Common Walnut	Did not meet criteria
234	Hereford Street	Hagley-Ferrymead	3313	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
234	Hereford Street	Hagley-Ferrymead	3315	Arbutus unedo		Irish Strawberry Tree	Did not meet criteria
234	Hereford Street	Hagley-Ferrymead	3316	Fraxinus excelsior Jaspidea		Golden Ash	Did not meet criteria
234	Hereford Street	Hagley-Ferrymead	3317	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
234	Hereford Street	Hagley-Ferrymead	3329	Quercus palustris		Pin Oak	Did not meet criteria
59	Hewitts Road	Fendalton-Waimairi	3630	Plagianthus regius		Ribbonwood	Did not meet criteria
59	Hewitts Road	Fendalton-Waimairi	3633	Liriodendron tulipifera		Tulip Tree	Did not meet criteria

59	Hewitts Road	Fendalton-Waimairi	3636	Pittosporum eugenioides		Lemonwood	Did not meet criteria
20	Hickory Place	Riccarton-Wigram	197	Sophora microphylla		Small-leaved Kowhai	Did not meet criteria
275	Highsted Road	Shirley-Papanui	5557	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
275	Highsted Road	Shirley-Papanui	5559	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
275	Highsted Road	Shirley-Papanui	5560	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
34	Hills Road	Shirley-Papanui	4580	Ginkgo biloba		Maidenhair Tree	Did not meet criteria
75	Hinau Street	Riccarton-Wigram	1454	Liquidambar styraciflua		Sweet Gum	Did not meet criteria
2/77A	Hinau Street	Riccarton-Wigram	1455	Quercus rubra		Red Oak	Did not meet criteria
1/37A	Holmwood Road	Fendalton-Waimairi	3276	Tilia x europaea		Common Lime	Did not meet criteria
1/37A	Holmwood Road	Fendalton-Waimairi	3277	Quercus robur		English Oak	Did not meet criteria
1/37A	Holmwood Road	Fendalton-Waimairi	3279	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
30	Holmwood Road	Fendalton-Waimairi	3725	Ulmus glabra Camperdownii		Camperdown Elm	Did not meet criteria
39D	Holmwood Road	Fendalton-Waimairi	3781	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
75	Hoon Hay Road	Spreydon-Heathcote	536	Dacrydium cupressinum		Rimu	Did not meet criteria
170	Hoon Hay Valley Road	Riccarton-Wigram	107927	Podocarpus totara		Totara	Did not meet criteria
170	Hoon Hay Valley Road	Riccarton-Wigram	107928	Podocarpus totara		Totara	Did not meet criteria
60	Horseshoe Lake Road	Burwood-Pegasus	6032	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
159	Idris Road	Fendalton-Waimairi	5208	Juglans regia		Common Walnut	Did not meet criteria
210	Idris Road	Fendalton-Waimairi	5209	Morus nigra		Common Mulberry	Did not meet criteria
200	Ilam Road	Fendalton-Waimairi	1484	Salix caprea		Goat Willow	Did not meet criteria
379	Ilam Road	Fendalton-Waimairi	5210	Agathis australis		Kauri	Did not meet criteria
416	Ilam Road	Fendalton-Waimairi	5211	Fagus sylvatica		European Beech	Did not meet criteria
43	Innes Road	Fendalton-Waimairi	5682	Quercus palustris		Pin Oak	Did not meet criteria
43	Innes Road	Fendalton-Waimairi	5683	Tilia x europaea		Common Lime	Did not meet criteria
43	Innes Road	Fendalton-Waimairi	5684	Tilia x europaea		Common Lime	Did not meet criteria
66	Innes Road	Fendalton-Waimairi	5685	Quercus palustris		Pin Oak	Did not meet criteria
22A	Jacksons Road	Fendalton-Waimairi	3591	Thuja plicata		Western Red Cedar	Tree Not Present
17	Jacksons Road	Fendalton-Waimairi	3526	Castanea sativa		Sweet Chestnut	Did not meet criteria
22A	Jacksons Road	Fendalton-Waimairi	3591	Thuja plicata		Western Red Cedar	Tree not present
4	Jetty Road	Banks Peninsula	65893	Rhopalostylis sapida		Nikau Palm	Did not meet criteria
19	Joyce Crescent	Fendalton-Waimairi	1198	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
30	Jubilee Street	Hagley-Ferrymead	2782	Fraxinus excelsior		English Ash	Tree Not Present
30	Jubilee Street	Hagley-Ferrymead	2783	Ulmus procera		English Elm	Tree Not Present
30	Jubilee Street	Hagley-Ferrymead	2784	Ulmus procera		English Elm	Tree Not Present
30	Jubilee Street	Hagley-Ferrymead	2785	Ulmus procera		English Elm	Tree Not Present
30	Jubilee Street	Hagley-Ferrymead	2782	Fraxinus excelsior		English Ash	Tree not present
30	Jubilee Street	Hagley-Ferrymead	2783	Ulmus procera		English Elm	Tree not present
30	Jubilee Street	Hagley-Ferrymead	2784	Ulmus procera		English Elm	Tree not present
4	Kahikatea Lane	Riccarton-Wigram	3597	Ginkgo biloba		Maidenhair Tree	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1540	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree Not Present
39	Kahu Road	Fendalton-Waimairi	1541	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree Not Present
39	Kahu Road	Fendalton-Waimairi	1542	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree Not Present

39	Kahu Road	Fendalton-Waimairi	1543	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree Not Present
39	Kahu Road	Fendalton-Waimairi	1552	Thuja plicata		Western Red Cedar	Tree Not Present
39	Kahu Road	Fendalton-Waimairi	1557	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree Not Present
39	Kahu Road	Fendalton-Waimairi	1498	Ulmus parvifolia		Chinese Elm	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1499	Ulmus carpinifolia		Smooth-leaved Elm	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1500	Platanus x acerifolia		London Plane	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1501	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1502	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1503	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1504	Quercus robur		English Oak	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1505	Tilia x europaea		Common Lime	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1506	Ulmus procera		English Elm	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1507	Ulmus procera		English Elm	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1508	Ulmus procera		English Elm	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1509	Ulmus procera		English Elm	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1510	Fagus sylvatica		European Beech	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1511	Carpinus betulus		Common Hornbeam	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1512	Liriodendron tulipifera		Tulip Tree	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1513	Tilia x europaea		Common Lime	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1514	Platanus x acerifolia		London Plane	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1515	Quercus ilex		Holm Oak	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1516	Platanus x acerifolia		London Plane	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1517	Fraxinus excelsior		English Ash	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1518	Ulmus procera		English Elm	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1520	Platanus x acerifolia		London Plane	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1525	Platanus x acerifolia		London Plane	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1526	Platanus x acerifolia		London Plane	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1528	Platanus x acerifolia		London Plane	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1530	Platanus x acerifolia		London Plane	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1533	Platanus x acerifolia		London Plane	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1534	Platanus x acerifolia		London Plane	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1535	Acer pseudoplatanus		Sycamore	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1536	Quercus cerris		Turkey Oak	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1538	Fraxinus excelsior		English Ash	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1539	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1544	Ulmus procera		English Elm	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1545	Fraxinus excelsior		English Ash	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1546	Quercus palustris		Pin Oak	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1547	Platanus x acerifolia		London Plane	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1549	Fraxinus excelsior		English Ash	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1550	Acer pseudoplatanus		Sycamore	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1551	Tilia pecies		Lime	Did not meet criteria

39	Kahu Road	Fendalton-Waimairi	1553	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1555	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1556	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1558	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1559	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1560	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1561	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1562	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1563	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1564	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1565	Ulmus procera		English Elm	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1637	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1255	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1256	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1257	Juglans regia		Common Walnut	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1260	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1264	Cupressus nootkatensis		Nootka Cypress	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1265	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1267	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1268	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1274	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1277	Quercus robur		English Oak	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1278	Quercus robur		English Oak	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1280	Quercus robur		English Oak	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1281	Quercus robur		English Oak	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1291	Quercus robur		English Oak	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1298	Pyrus communis		Pear	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1300	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1301	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1302	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1303	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1282	Abies pinsapo		Spanish Fir	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1283	Catalpa bignonioides		Indian Bean Tree	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1284	Pyrus communis		Pear	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1285	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1286	Ulmus glabra		Wych Elm	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1287	Ulmus procera		English Elm	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1293	Quercus robur		English Oak	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1295	Quercus robur		English Oak	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1296	Quercus robur		English Oak	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1304	Quercus robur		English Oak	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1305	Quercus robur		English Oak	Did not meet criteria

16	Kahu Road	Riccarton-Wigram	1306	Quercus robur		English Oak	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1307	Quercus robur		English Oak	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1308	Fraxinus excelsior		English Ash	Did not meet criteria
16	Kahu Road	Riccarton-Wigram	1244	Acer pseudoplatanus		Sycamore	Did not meet criteria
39	Kahu Road	Fendalton-Waimairi	1540	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree not present
39	Kahu Road	Fendalton-Waimairi	1541	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree not present
39	Kahu Road	Fendalton-Waimairi	1542	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree not present
39	Kahu Road	Fendalton-Waimairi	1543	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree not present
39	Kahu Road	Fendalton-Waimairi	1552	Thuja plicata		Western Red Cedar	Tree not present
39	Kahu Road	Fendalton-Waimairi	1557	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree not present
859	Kaituna Valley Road	Banks Peninsula	65896	Dacrydium cupressinum		Rimu	Did not meet criteria
859	Kaituna Valley Road	Banks Peninsula	65897	Cedrus deodara		Deodar Cedar	Did not meet criteria
6/3	Karitane Drive	Spreydon-Heathcote	1889	Ulmus procera		English Elm	Did not meet criteria
3A	Karitane Drive	Spreydon-Heathcote	1903	Quercus robur		English Oak	Did not meet criteria
91	Kettlewell Drive	Fendalton-Waimairi	4977	Sophora prostrata		Prostrate Kowhai	Tree not assessed
108	Kingsford Street	Burwood-Pegasus	6033	Juglans regia		Common Walnut	Did not meet criteria
50	Kirk Road	Riccarton-Wigram	188	Araucaria araucana		Monkey Puzzle	Did not meet criteria
50	Kirk Road	Riccarton-Wigram	189	Cedrus atlantica		Atlas Cedar	Did not meet criteria
50	Kirk Road	Riccarton-Wigram	190	Cedrus atlantica		Atlas Cedar	Did not meet criteria
50	Kirk Road	Riccarton-Wigram	192	Cupressus sempervirens		Italian Cypress	Did not meet criteria
50	Kirk Road	Riccarton-Wigram	193	Cupressus sempervirens		Italian Cypress	Did not meet criteria
14	Kirkwood Avenue	Riccarton-Wigram	1235	Ulmus glabra Camperdownii		Camperdown Elm	Did not meet criteria
14	Kirkwood Avenue	Riccarton-Wigram	1236	Taxus baccata Fastigata		Irish Yew	Did not meet criteria
14	Kirkwood Avenue	Riccarton-Wigram	1237	Griselinia littoralis		Broadleaf	Did not meet criteria
14	Kirkwood Avenue	Riccarton-Wigram	1238	Acer platanoides		Norway Maple	Did not meet criteria
14	Kirkwood Avenue	Riccarton-Wigram	1239	Quercus robur		English Oak	Did not meet criteria
33A	Kotare Street	Riccarton-Wigram	1200	Nothofagus solandri		Black Beech	Did not meet criteria
1/80	Lake Terrace Road	Burwood-Pegasus	6050	Quercus palustris		Pin Oak	Did not meet criteria
80	Lake Terrace Road	Burwood-Pegasus	6051	Quercus coccinea		Scarlet Oak	Did not meet criteria
14	Laura Kent Place	Hagley-Ferrymead	2699	Quercus robur		English Oak	Did not meet criteria
603	Lavericks Ridge Road	Banks Peninsula	65788	Metrosideros robusta		Northern Rata	Did not meet criteria
625	Le Bons Bay Road	Banks Peninsula	65898	Podocarpus totara		Totara	Did not meet criteria
568	Le Bons Bay Road	Banks Peninsula	65900	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
1/40	Leinster Road	Fendalton-Waimairi	3531	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
51	Leinster Road	Fendalton-Waimairi	3532	Tilia x europaea		Common Lime	Did not meet criteria
137	Leinster Road	Fendalton-Waimairi	5695	Podocarpus totara		Totara	Did not meet criteria
137	Leinster Road	Fendalton-Waimairi	5696	Nothofagus fusca		Red Beech	Did not meet criteria
137	Leinster Road	Fendalton-Waimairi	5701	Ginkgo biloba		Maidenhair Tree	Did not meet criteria
137	Leinster Road	Fendalton-Waimairi	5702	Tilia x europaea		Common Lime	Did not meet criteria
137	Leinster Road	Fendalton-Waimairi	5705	Ulmus glabra Camperdownii		Camperdown Elm	Did not meet criteria
137	Leinster Road	Fendalton-Waimairi	5698	Fraxinus excelsior Aurea		Golden Ash	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	549	Fraxinus excelsior		English Ash	Did not meet criteria

1	Lincoln Road	Spreydon-Heathcote	550	Fraxinus excelsior		English Ash	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	552	Ulmus procera		English Elm	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	553	Ulmus procera		English Elm	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	554	Ulmus procera		English Elm	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	555	Quercus robur		English Oak	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	556	Quercus robur		English Oak	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	557	Quercus robur		English Oak	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	558	Quercus robur		English Oak	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	559	Quercus robur		English Oak	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	564	Fraxinus excelsior		English Ash	Tree Not Present
1	Lincoln Road	Spreydon-Heathcote	567	Quercus robur		English Oak	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	569	Fraxinus excelsior		English Ash	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	608	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	609	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	610	Arbutus x andrachnoides	andrachne x unedo	Hybrid Strawberry Tree	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	613	Ulmus procera Louis van Houtte		Golden Elm	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	614	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	620	Sequoia sempervirens		Coast Redwood	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	621	Ulmus procera		English Elm	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	622	Ulmus procera		English Elm	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	623	Ulmus procera		English Elm	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	624	Ulmus procera		English Elm	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	625	Quercus robur		English Oak	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	626	Acer pseudoplatanus		Sycamore	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	627	Acer pseudoplatanus		Sycamore	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	659	Photinia glabra		Japanese Photinia	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	662	Photinia glabra		Japanese Photinia	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	722	Acer pseudoplatanus		Sycamore	Did not meet criteria
207	Lincoln Road	Spreydon-Heathcote	2273	Ulmus glabra		Wych Elm	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	551	Acer pseudoplatanus		Sycamore	Did not meet criteria
1	Lincoln Road	Spreydon-Heathcote	564	Fraxinus excelsior		English Ash	Tree not present
4	Linden Grove Avenue	Spreydon-Heathcote	600	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
20	Linwood Avenue	Hagley-Ferrymead	4581	Acer pseudoplatanus		Sycamore	Did not meet criteria
32	Linwood Avenue	Hagley-Ferrymead	4582	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
32	Linwood Avenue	Hagley-Ferrymead	4583	Ulmus glabra		Wych Elm	Did not meet criteria
32	Linwood Avenue	Hagley-Ferrymead	4657	Juglans regia		Common Walnut	Did not meet criteria
21	Locarno Street	Spreydon-Heathcote	2692	Acacia melanoxylon		Tasmanian Blackwood	Did not meet criteria
21	Locarno Street	Spreydon-Heathcote	2693	Acacia melanoxylon		Tasmanian Blackwood	Did not meet criteria
119	Lower Styx Road	Shirley-Papanui	6313	Eucalyptus dalrympleana		Mountain Gum	Did not meet criteria
2/10	Ludecke Place	Riccarton-Wigram	1171	Ulmus procera		English Elm	Did not meet criteria
4/9	Ludecke Place	Riccarton-Wigram	1211	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
4/9	Ludecke Place	Riccarton-Wigram	1212	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria

20	Lychgate Close	Hagley-Ferrymead	4547	Ulmus procera		English Elm	Did not meet criteria
20	Lychgate Close	Hagley-Ferrymead	4548	Acer pseudoplatanus		Sycamore	Did not meet criteria
20	Lychgate Close	Hagley-Ferrymead	4550	Ulmus procera		English Elm	Did not meet criteria
20	Lychgate Close	Hagley-Ferrymead	4552	Quercus cerris		Turkey Oak	Did not meet criteria
5	Lynfield Avenue	Riccarton-Wigram	1343	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
35	MacMillan Avenue	Spreydon-Heathcote	1869	Fraxinus velutina		Arizona Ash	Did not meet criteria
35	MacMillan Avenue	Spreydon-Heathcote	1870	Quercus palustris		Pin Oak	Did not meet criteria
20	MacMillan Avenue	Spreydon-Heathcote	1901	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
37	MacMillan Avenue	Spreydon-Heathcote	1902	Quercus robur		English Oak	Did not meet criteria
35	MacMillan Avenue	Spreydon-Heathcote	1906	Quercus robur		English Oak	Did not meet criteria
297	Madras Street	Hagley-Ferrymead	39036	Populus nigra Italica		Lombardy Poplar	Did not meet criteria
184	Main North Road	Shirley-Papanui	5686	Dacrydium cupressinum		Rimu	Did not meet criteria
340	Main North Road	Shirley-Papanui	6126	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
1A/1	Main South Road	Riccarton-Wigram	1574	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree Not Present
1A/1	Main South Road	Riccarton-Wigram	1214	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
24	Main South Road	Riccarton-Wigram	1223	Quercus robur		English Oak	Did not meet criteria
24	Main South Road	Riccarton-Wigram	1224	Ulmus procera		English Elm	Did not meet criteria
24	Main South Road	Riccarton-Wigram	1225	Ulmus procera		English Elm	Did not meet criteria
24	Main South Road	Riccarton-Wigram	1226	Ulmus procera		English Elm	Did not meet criteria
24	Main South Road	Riccarton-Wigram	1227	Ulmus procera		English Elm	Did not meet criteria
46	Main South Road	Riccarton-Wigram	1229	Acer pseudoplatanus		Sycamore	Did not meet criteria
24	Main South Road	Riccarton-Wigram	1418	Quercus robur		English Oak	Did not meet criteria
24	Main South Road	Riccarton-Wigram	1419	Quercus robur		English Oak	Did not meet criteria
24	Main South Road	Riccarton-Wigram	1420	Quercus robur		English Oak	Did not meet criteria
24	Main South Road	Riccarton-Wigram	1421	Quercus robur		English Oak	Did not meet criteria
24	Main South Road	Riccarton-Wigram	1422	Quercus robur		English Oak	Did not meet criteria
24	Main South Road	Riccarton-Wigram	1423	Quercus robur		English Oak	Did not meet criteria
26B	Main South Road	Riccarton-Wigram	1425	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
26B	Main South Road	Riccarton-Wigram	1427	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
26B	Main South Road	Riccarton-Wigram	1429	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
28	Main South Road	Riccarton-Wigram	1431	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
28	Main South Road	Riccarton-Wigram	1433	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
30	Main South Road	Riccarton-Wigram	1435	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
30	Main South Road	Riccarton-Wigram	1437	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
30	Main South Road	Riccarton-Wigram	1439	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
40	Main South Road	Riccarton-Wigram	1575	Ilex aquifolium		Common Holly	Did not meet criteria
46	Main South Road	Riccarton-Wigram	1588	Ulmus procera		English Elm	Did not meet criteria
46	Main South Road	Riccarton-Wigram	1230	Ulmus procera		English Elm	Did not meet criteria
46	Main South Road	Riccarton-Wigram	1231	Ulmus procera		English Elm	Tree Not Present
46	Main South Road	Riccarton-Wigram	1232	Ulmus procera		English Elm	Tree Not Present
1A/1	Main South Road	Riccarton-Wigram	1574	Cedrus atlantica Glauca		Blue Atlas Cedar	Tree not present
46	Main South Road	Riccarton-Wigram	1231	Ulmus procera		English Elm	Tree not present

46	Main South Road	Riccarton-Wigram	1232	Ulmus procera		English Elm	Tree not present
4	Majestic Lane	Spreydon-Heathcote	2290	Cordyline australis		Cabbage Tree	Did not meet criteria
4	Majestic Lane	Spreydon-Heathcote	2291	Cordyline australis		Cabbage Tree	Did not meet criteria
1	Major Aitken Drive	Spreydon-Heathcote	1871	Cedrus deodara		Deodar Cedar	Did not meet criteria
30	Major Aitken Drive	Spreydon-Heathcote	1962	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
369A	Manchester Street	Hagley-Ferrymead	3281	Ginkgo biloba		Maidenhair Tree	Did not meet criteria
373	Manchester Street	Hagley-Ferrymead	3305	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
373	Manchester Street	Hagley-Ferrymead	3307	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
373	Manchester Street	Hagley-Ferrymead	3308	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
387	Manchester Street	Hagley-Ferrymead	3323	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
387	Manchester Street	Hagley-Ferrymead	3331	Liriodendron tulipifera		Tulip Tree	Did not meet criteria
248	Manchester Street	Hagley-Ferrymead	3335	Ulmus x hollandica	carpinifolia x glabra x plotii	Dutch Elm	Did not meet criteria
5/250	Manchester Street	Hagley-Ferrymead	3347	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
387	Manchester Street	Hagley-Ferrymead	3348	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
375	Manchester Street	Hagley-Ferrymead	3512	Sequoia sempervirens		Coast Redwood	Did not meet criteria
110	Mandeville Street	Riccarton-Wigram	3714	Betula pendula		Silver Birch	Did not meet criteria
A/50	Mandeville Street	Riccarton-Wigram	3763	Maytenus boaria		Mayten Tree	Tree not present
18	Marble Wood Drive	Shirley-Papanui	5206	Plagianthus regius		Ribbonwood	Tree Not Present
18	Marble Wood Drive	Shirley-Papanui	5207	Plagianthus regius		Ribbonwood	Tree not present
2	Marsden Street	Hagley-Ferrymead	1991	Quercus robur		English Oak	Did not meet criteria
1	Martindales Road	Hagley-Ferrymead	108640	Sophora microphylla		Small-leaved Kowhai	Tree Not Present
1	Martindales Road	Hagley-Ferrymead	108643	Elaeocarpus hookerianus		Pokaka	Did not meet criteria
1	Martindales Road	Hagley-Ferrymead	108644	Metrosideros umbellata		Southern Rata	Did not meet criteria
1	Martindales Road	Hagley-Ferrymead	108645	Carpodetus serratus		Marble leaf	Did not meet criteria
63	Matai Street West	Riccarton-Wigram	3596	Quercus palustris		Pin Oak	Did not meet criteria
47	Matai Street West	Riccarton-Wigram	3694	Juglans regia		Common Walnut	Did not meet criteria
47	Matai Street West	Riccarton-Wigram	3695	Juglans regia		Common Walnut	Did not meet criteria
47	Matai Street West	Riccarton-Wigram	3696	Juglans regia		Common Walnut	Did not meet criteria
32	Matipo Street	Riccarton-Wigram	1487	Betula pendula		Silver Birch	Did not meet criteria
32	Matipo Street	Riccarton-Wigram	1489	Plagianthus regius		Ribbonwood	Did not meet criteria
32	Matipo Street	Riccarton-Wigram	1491	Plagianthus regius		Ribbonwood	Did not meet criteria
24	McDougall Avenue	Fendalton-Waimairi	5688	Acacia melanoxylon		Tasmanian Blackwood	Did not meet criteria
24	McDougall Avenue	Fendalton-Waimairi	5840	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
24	McDougall Avenue	Fendalton-Waimairi	5841	Cedrus deodara		Deodar Cedar	Did not meet criteria
64	McFaddens Road	Shirley-Papanui	5689	Robinia pseudoacacia		Black Locust	Tree Not Present
116	McFaddens Road	Shirley-Papanui	5691	Quercus robur		English Oak	Did not meet criteria
4	Medbury Terrace	Fendalton-Waimairi	1577	Ulmus procera		English Elm	Did not meet criteria
19	Memorial Avenue	Fendalton-Waimairi	1321	Quercus robur		English Oak	Did not meet criteria
19	Memorial Avenue	Fendalton-Waimairi	1322	Quercus robur		English Oak	Did not meet criteria
10B	Middlepark Road	Riccarton-Wigram	886	Cordyline australis		Cabbage Tree	Did not meet criteria
280	Millers Road	Banks Peninsula	65891	Quercus robur		English Oak	Did not meet criteria
277	Montreal Street	Hagley-Ferrymead	3352	Pseudopanax crassifolium		Lancewood	Did not meet criteria

273	Montreal Street	Hagley-Ferrymead	3389	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
26	Nash Road	Riccarton-Wigram	688	Castanea sativa		Sweet Chestnut	Tree Not Present
26	Nash Road	Riccarton-Wigram	698	Fagus sylvatica Purpurea		Copper Beech	Tree Not Present
26	Nash Road	Riccarton-Wigram	687	Acer palmatum		Japanese Maple	Did not meet criteria
26	Nash Road	Riccarton-Wigram	689	Juglans regia		Common Walnut	Did not meet criteria
26	Nash Road	Riccarton-Wigram	690	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
26	Nash Road	Riccarton-Wigram	692	Pseudotsuga menziesii		Douglas Fir	Did not meet criteria
26	Nash Road	Riccarton-Wigram	693	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
26	Nash Road	Riccarton-Wigram	694	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
26	Nash Road	Riccarton-Wigram	695	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
26	Nash Road	Riccarton-Wigram	696	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
26	Nash Road	Riccarton-Wigram	697	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
26	Nash Road	Riccarton-Wigram	699	Cupressus torulosa		Bhutan Cypress	Did not meet criteria
26	Nash Road	Riccarton-Wigram	700	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
26	Nash Road	Riccarton-Wigram	702	Cedrus deodara		Deodar Cedar	Did not meet criteria
15	Nash Road	Riccarton-Wigram	669	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
15	Nash Road	Riccarton-Wigram	670	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
15	Nash Road	Riccarton-Wigram	671	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
15	Nash Road	Riccarton-Wigram	672	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
15	Nash Road	Riccarton-Wigram	673	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
15	Nash Road	Riccarton-Wigram	674	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
15	Nash Road	Riccarton-Wigram	677	Castanea sativa		Sweet Chestnut	Tree Not Present
15	Nash Road	Riccarton-Wigram	678	Acer pseudoplatanus		Sycamore	Did not meet criteria
15	Nash Road	Riccarton-Wigram	679	Juglans regia		Common Walnut	Did not meet criteria
15	Nash Road	Riccarton-Wigram	680	Juglans regia		Common Walnut	Did not meet criteria
15	Nash Road	Riccarton-Wigram	681	Juglans regia		Common Walnut	Did not meet criteria
15	Nash Road	Riccarton-Wigram	683	Juglans regia		Common Walnut	Did not meet criteria
26	Nash Road	Riccarton-Wigram	688	Castanea sativa		Sweet Chestnut	Tree not present
26	Nash Road	Riccarton-Wigram	698	Fagus sylvatica Purpurea		Copper Beech	Tree not present
15	Nash Road	Riccarton-Wigram	677	Castanea sativa		Sweet Chestnut	Tree not present
63	Nayland Street	Hagley-Ferrymead	2083	Phoenix canariensis		Canary Island Palm	Did not meet criteria
63	Nayland Street	Hagley-Ferrymead	2084	Phoenix canariensis		Canary Island Palm	Did not meet criteria
62	Nayland Street	Hagley-Ferrymead	2090	Corynocarpus laevigatus		Karaka	Did not meet criteria
10	Nightingale Place	Shirley-Papanui	5851	Quercus robur		English Oak	Did not meet criteria
85	North Avon Road	Shirley-Papanui	4590	Ulmus glabra Camperdownii		Camperdown Elm	Did not meet criteria
126	North Parade	Burwood-Pegasus	6035	Cunninghamia lanceolata		China Fir	Did not meet criteria
135	Office Road	Fendalton-Waimairi	5674	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
1	Onuku Road	Banks Peninsula	65790	Metrosideros umbellata		Southern Rata	Did not meet criteria
82	Opawa Road	Spreydon-Heathcote	2738	Juglans regia		Common Walnut	Did not meet criteria
82	Opawa Road	Spreydon-Heathcote	2747	Juglans regia		Common Walnut	Did not meet criteria
88	Opawa Road	Spreydon-Heathcote	2749	Juglans regia		Common Walnut	Did not meet criteria
92	Opawa Road	Spreydon-Heathcote	2750	Ulmus glabra Camperdownii		Camperdown Elm	Did not meet criteria

94	Opawa Road	Spreydon-Heathcote	2751	Platanus x acerifolia	occidentalis x orientalis	London Plane	Did not meet criteria
4	Paeroa Street	Riccarton-Wigram	1324	Abies pinsapo		Spanish Fir	Did not meet criteria
76	Palatine Terrace	Spreydon-Heathcote	2726	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
106	Papanui Road	Fendalton-Waimairi	3606	Acer palmatum		Japanese Maple	Tree Not Present
1/104	Papanui Road	Fendalton-Waimairi	3607	Acer palmatum		Japanese Maple	Tree Not Present
85	Papanui Road	Fendalton-Waimairi	3601	Tilia x europaea		Common Lime	Did not meet criteria
85	Papanui Road	Fendalton-Waimairi	3605	Platanus orientalis		Oriental Plane	Did not meet criteria
71	Papanui Road	Fendalton-Waimairi	3643	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
71	Papanui Road	Fendalton-Waimairi	3645	Acer pseudoplatanus		Sycamore	Did not meet criteria
165	Papanui Road	Fendalton-Waimairi	3698	Quercus coccinea		Scarlet Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5706	Quercus robur		English Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5707	Quercus robur		English Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5708	Quercus robur		English Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5709	Cupressus torulosa		Bhutan Cypress	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5710	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5711	Chamaecyparis lawsoniana		Lawson Cypress	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5712	Tilia x europaea		Common Lime	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5713	Quercus robur		English Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5714	Ulmus x hollandica		Dutch Elm	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5715	Ulmus x hollandica		Dutch Elm	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5716	Ulmus carpinifolia		Smooth-leaved Elm	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5717	Acer pseudoplatanus		Sycamore	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5718	Quercus robur		English Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5719	Ulmus x hollandica		Dutch Elm	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5720	Quercus robur		English Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5721	Ulmus x hollandica		Dutch Elm	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5722	Fagus sylvatica		European Beech	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5724	Ulmus carpinifolia		Smooth-leaved Elm	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5725	Ilex aquifolium Golden Queen		Variegated Holly	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5726	Araucaria araucana		Monkey Puzzle	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5727	Tilia x europaea		Common Lime	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5728	Quercus robur		English Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5729	Tilia x europaea		Common Lime	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5730	Ulmus x hollandica		Dutch Elm	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5732	Quercus robur		English Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5733	Acer pseudoplatanus		Sycamore	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5734	Ulmus x hollandica		Dutch Elm	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5735	Ulmus x hollandica		Dutch Elm	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5736	Ulmus x hollandica		Dutch Elm	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5737	Quercus robur		English Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5738	Quercus robur		English Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5740	Acer pseudoplatanus		Sycamore	Did not meet criteria

347	Papanui Road	Fendalton-Waimairi	5741	Quercus robur		English Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5742	Quercus robur		English Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5743	Quercus robur		English Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5744	Ulmus x hollandica	carpinifolia x glabra x plotii	Dutch Elm	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5745	Ulmus x hollandica	carpinifolia x glabra x plotii	Dutch Elm	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5746	Acer pseudoplatanus		Sycamore	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5747	Acer pseudoplatanus		Sycamore	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5748	Quercus robur		English Oak	Did not meet criteria
347	Papanui Road	Fendalton-Waimairi	5749	Quercus robur		English Oak	Did not meet criteria
236	Papanui Road	Fendalton-Waimairi	5834	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
274	Papanui Road	Fendalton-Waimairi	5835	Acer pseudoplatanus		Sycamore	Did not meet criteria
283	Papanui Road	Fendalton-Waimairi	5837	Eucalyptus pulchella		White Peppermint Gum	Did not meet criteria
429	Papanui Road	Fendalton-Waimairi	5849	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
380	Papanui Road	Shirley-Papanui	5836	Phoenix canariensis		Canary Island Palm	Did not meet criteria
106	Papanui Road	Fendalton-Waimairi	3606	Acer palmatum		Japanese Maple	Tree not present
1/104	Papanui Road	Fendalton-Waimairi	3607	Acer palmatum		Japanese Maple	Tree not present
2/18	Parade Court	Spreydon-Heathcote	2319	Quercus robur		English Oak	Did not meet criteria
36	Parade Court	Spreydon-Heathcote	2321	Quercus robur		English Oak	Did not meet criteria
36	Parade Court	Spreydon-Heathcote	2322	Fraxinus excelsior		English Ash	Did not meet criteria
42	Parade Court	Spreydon-Heathcote	2323	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
42	Parade Court	Spreydon-Heathcote	2324	Quercus robur		English Oak	Tree not present
19	Park Terrace	Banks Peninsula	65920	Metrosideros excelsa		Pohutukawa	Did not meet criteria
54	Park Terrace	Hagley-Ferrymead	3298	Quercus robur		English Oak	Did not meet criteria
90	Park Terrace	Hagley-Ferrymead	3299	Quercus robur		English Oak	Did not meet criteria
100	Park Terrace	Hagley-Ferrymead	3321	Quercus robur		English Oak	Did not meet criteria
5/138	Park Terrace	Hagley-Ferrymead	3338	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
95/78	Park Terrace	Hagley-Ferrymead	3355	Calocedrus decurrens		Incense Cedar	Did not meet criteria
95/78	Park Terrace	Hagley-Ferrymead	3356	Nothofagus fusca		Red Beech	Did not meet criteria
28	Park Terrace	Hagley-Ferrymead	3786	Ilex aquifolium		Common Holly	Did not meet criteria
6	Park Terrace	Banks Peninsula	65919	Cedrus libani		Cedar of Lebanon	Did not meet criteria
57	Parkstone Avenue	Riccarton-Wigram	1319	Eucalyptus		Gum	Did not meet criteria
19	Pavitt Street	Hagley-Ferrymead	4585	Ulmus glabra Camperdownii		Camperdown Elm	Did not meet criteria
6	Peartree Lane	Spreydon-Heathcote	2727	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
6	Peartree Lane	Spreydon-Heathcote	2728	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
7	Penhelig Place	Fendalton-Waimairi	5228	Quercus robur		English Oak	Did not meet criteria
7	Percy Street	Banks Peninsula	65818	Metrosideros excelsa		Pohutukawa	Did not meet criteria
2/15	Peterborough Street	Hagley-Ferrymead	3357	Agathis australis		Kauri	Did not meet criteria
1/15	Peterborough Street	Hagley-Ferrymead	3358	Elaeocarpus hookerianus		Pokaka	Did not meet criteria
6/15	Peterborough Street	Hagley-Ferrymead	3359	Libocedrus bidwillii		Pahautea	Did not meet criteria
5/15	Peterborough Street	Hagley-Ferrymead	3360	Podocarpus hallii		Hall's Totara	Did not meet criteria
1/15	Peterborough Street	Hagley-Ferrymead	3362	Pomaderris apelata		Tainui	Did not meet criteria
27/44	Peterborough Street	Hagley-Ferrymead	3324	Quercus robur		English Oak	Did not meet criteria

34/25	Peterborough Street	Hagley-Ferrymead	3363	Ginkgo biloba		Maidenhair Tree	Did not meet criteria
2/15	Peterborough Street	Hagley-Ferrymead	3361	Pomaderris apelata		Tainui	Tree not present
1/74	Picton Avenue	Riccarton-Wigram	3737	Cordyline australis		Cabbage Tree	Did not meet criteria
273	Pound Road	Riccarton-Wigram	410	Sophora microphylla		Small-leaved Kowhai	Tree not present
111	Puriri Street	Riccarton-Wigram	1476	Cedrus deodara		Deodar Cedar	Did not meet criteria
113	Puriri Street	Riccarton-Wigram	1477	Ulmus		Elm	Did not meet criteria
1/116	Puriri Street	Riccarton-Wigram	1479	Ulmus procera		English Elm	Did not meet criteria
19	Queens Avenue	Fendalton-Waimairi	3623	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Tree not present
165	Racecourse Road	Riccarton-Wigram	891	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	893	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	894	Pseudotsuga menziesii		Douglas Fir	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	895	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	896	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	897	Acer pseudoplatanus		Sycamore	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	898	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	899	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	900	Platanus x acerifolia	occidentalis x orientalis	London Plane	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	901	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	902	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	903	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	905	Platanus x acerifolia	occidentalis x orientalis	London Plane	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	906	Platanus x acerifolia	occidentalis x orientalis	London Plane	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	908	Platanus x acerifolia	occidentalis x orientalis	London Plane	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	909	Platanus x acerifolia	occidentalis x orientalis	London Plane	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	911	Platanus x acerifolia	occidentalis x orientalis	London Plane	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	913	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	915	Ulmus procera		English Elm	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	917	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	918	Fraxinus excelsior Aurea		Golden Ash	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	919	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	920	Liriodendron tulipifera		Tulip Tree	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	922	Castanea sativa		Sweet Chestnut	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	923	Ulmus procera		English Elm	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	925	Juglans regia		Common Walnut	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	927	Ulmus procera		English Elm	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	932	Ulmus procera		English Elm	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	934	Cedrus libani		Cedar of Lebanon	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	935	Quercus robur		English Oak	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	936	Cedrus deodara		Deodar Cedar	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	938	Ulmus procera		English Elm	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	939	Hoheria populnea		Houhere	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	940	Ulmus procera		English Elm	Did not meet criteria

165	Racecourse Road	Riccarton-Wigram	941	Aesculus hippocastanum		Horse Chestnut	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	943	Arbutus x andrachnoides	andrachne x unedo	Hybrid Strawberry Tree	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	944	Acer palmatum		Japanese Maple	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	945	Nothofagus fusca		Red Beech	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	946	Ulmus procera		English Elm	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	947	Nothofagus fusca		Red Beech	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	948	Platanus x acerifolia	occidentalis x orientalis	London Plane	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	949	Platanus x acerifolia	occidentalis x orientalis	London Plane	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	952	Platanus x acerifolia	occidentalis x orientalis	London Plane	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	953	Sequoia sempervirens		Coast Redwood	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	955	Castanea sativa		Sweet Chestnut	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	956	Quercus robur		English Oak	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	957	Paulownia tomentosa		Princess Tree	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	958	Ulmus procera		English Elm	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	959	Ulmus procera		English Elm	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	960	Ulmus procera		English Elm	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	961	Cedrus deodara		Deodar Cedar	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	962	Ulmus procera		English Elm	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	963	Quercus robur		English Oak	Did not meet criteria
165	Racecourse Road	Riccarton-Wigram	937	Quercus robur		English Oak	Tree not present
165	Racecourse Road	Riccarton-Wigram	942	Ulmus procera		English Elm	Tree not present
165	Racecourse Road	Riccarton-Wigram	951	Nothofagus fusca		Red Beech	Tree not present
2B	Rata Street	Riccarton-Wigram	1482	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
17	Rata Street	Riccarton-Wigram	1726	Ulmus minor Variegata		Variegated Smooth-leaved Elm	Did not meet criteria
7	Riccarton Avenue	Hagley-Ferrymead	3746	Cedrus deodara		Deodar Cedar	Did not meet criteria
7	Riccarton Avenue	Hagley-Ferrymead	3748	Quercus robur		English Oak	Did not meet criteria
7	Riccarton Avenue	Hagley-Ferrymead	3749	Agathis australis		Kauri	Did not meet criteria
7	Riccarton Avenue	Hagley-Ferrymead	3750	Quercus robur		English Oak	Did not meet criteria
7	Riccarton Avenue	Hagley-Ferrymead	3752	Quercus robur		English Oak	Did not meet criteria
7	Riccarton Avenue	Hagley-Ferrymead	3751	Eucalyptus delegatensis		Alpine Ash	Did not meet criteria
28	Riccarton Road	Riccarton-Wigram	3726	Cordyline australis		Cabbage Tree	Tree Not Present
38	Riccarton Road	Riccarton-Wigram	3595	Thuja plicata		Western Red Cedar	Did not meet criteria
265	Riccarton Road	Riccarton-Wigram	1468	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
265	Riccarton Road	Riccarton-Wigram	1469	Fraxinus excelsior Pendula		Weeping Ash	Did not meet criteria
36	Riccarton Road	Riccarton-Wigram	132388	Maytenus boaria		Mayten Tree	Did not meet criteria
28	Riccarton Road	Riccarton-Wigram	3726	Cordyline australis		Cabbage Tree	Tree not present
373	River Road	Burwood-Pegasus	4591	Juglans regia		Common Walnut	Did not meet criteria
290	Riverlaw Terrace	Spreydon-Heathcote	2790	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
11/26A	Riverview Street	Spreydon-Heathcote	2209	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
26	Riverview Street	Spreydon-Heathcote	2210	Aesculus hippocastanum		Horse Chestnut	Did not meet criteria
26	Riverview Street	Spreydon-Heathcote	2244	Tilia species		Lime	Did not meet criteria
33	Rolleston Avenue	Hagley-Ferrymead	3757	Fraxinus excelsior		English Ash	Did not meet criteria

33	Rolleston Avenue	Hagley-Ferrymead	3758	Liriodendron tulipifera		Tulip Tree	Did not meet criteria
35	Rossall Street	Fendalton-Waimairi	3611	Quercus robur		English Oak	Did not meet criteria
133	Rossall Street	Fendalton-Waimairi	3613	Chamaecyparis lawsoniana		Lawson Cypress	Did not meet criteria
17	Rossall Street	Fendalton-Waimairi	3717	Liquidambar styraciflua		Sweet Gum	Did not meet criteria
73	Rossall Street	Fendalton-Waimairi	3787	Fraxinus excelsior		English Ash	Did not meet criteria
71	Rue Balguerie	Banks Peninsula	65819	Acer pseudoplatanus		Sycamore	Tree Not Present
37	Rue Balguerie	Banks Peninsula	65821	Myoporum laetum		Ngaio	Did not meet criteria
91	Rue Balguerie	Banks Peninsula	65823	Rhododendron		Rhododendron	Did not meet criteria
91	Rue Balguerie	Banks Peninsula	65824	Nothofagus fusca		Red Beech	Did not meet criteria
6	Rue Balguerie	Banks Peninsula	65841	Corynocarpus laevigatus		Karaka	Did not meet criteria
6	Rue Balguerie	Banks Peninsula	65843	Rhopalostylis sapida		Nikau Palm	Did not meet criteria
71	Rue Balguerie	Banks Peninsula	65819	Acer pseudoplatanus		Sycamore	Tree not present
91	Rue Balguerie	Banks Peninsula	65825	Populus		Poplar	Tree not present
132	Rue Jolie	Banks Peninsula	65850	Rhopalostylis sapida		Nikau Palm	Did not meet criteria
162	Rue Jolie	Banks Peninsula	65852	Rhopalostylis sapida		Nikau Palm	Did not meet criteria
81	Rue Lavaud	Banks Peninsula	65855	Quercus robur		English Oak	Did not meet criteria
84	Rue Lavaud	Banks Peninsula	65856	Phoenix canariensis		Canary Island Palm	Did not meet criteria
84	Rue Lavaud	Banks Peninsula	65857	Phoenix canariensis		Canary Island Palm	Did not meet criteria
84	Rue Lavaud	Banks Peninsula	65858	Phoenix canariensis		Canary Island Palm	Did not meet criteria
84	Rue Lavaud	Banks Peninsula	65859	Phoenix canariensis		Canary Island Palm	Did not meet criteria
84	Rue Lavaud	Banks Peninsula	65860	Metrosideros excelsa		Pohutukawa	Tree not present
1	Rue Pompallier	Banks Peninsula	65862	Alectryon excelsus		Titoki	Did not meet criteria
1	Rue Pompallier	Banks Peninsula	65863	Pseudopanax		Lancewood	Did not meet criteria
1	Rue Pompallier	Banks Peninsula	65864	Phoenix canariensis		Canary Island Palm	Did not meet criteria
1	Rue Pompallier	Banks Peninsula	65865	Trachycarpus fortunei		Chusan Palm	Did not meet criteria
1/140	Rugby Street	Fendalton-Waimairi	3699	Quercus robur		English Oak	Did not meet criteria
83	Rutherford Street	Hagley-Ferrymead	2729	Juglans regia		Common Walnut	Tree not assessed
71	Sandwich Road	Spreydon-Heathcote	2739	Fraxinus excelsior		English Ash	Did not meet criteria
71	Sandwich Road	Spreydon-Heathcote	2740	Quercus robur		English Oak	Did not meet criteria
71	Sandwich Road	Spreydon-Heathcote	2741	Quercus rubra		Red Oak	Did not meet criteria
71	Sandwich Road	Spreydon-Heathcote	2742	Quercus robur		English Oak	Did not meet criteria
71	Sandwich Road	Spreydon-Heathcote	2743	Platanus orientalis		Oriental Plane	Did not meet criteria
71	Sandwich Road	Spreydon-Heathcote	2744	Platanus orientalis		Oriental Plane	Did not meet criteria
71	Sandwich Road	Spreydon-Heathcote	2745	Platanus orientalis		Oriental Plane	Did not meet criteria
71	Sandwich Road	Spreydon-Heathcote	2746	Cryptomeria japonica		Japanese Cedar	Did not meet criteria
28	Seamount Terrace	Hagley-Ferrymead	4838	Eucalyptus viminalis		Manna Gum	Did not meet criteria
5	Seaview Avenue	Banks Peninsula	65866	Morus nigra		Common Mulberry	Did not meet criteria
10	Selkirk Place	Shirley-Papanui	6127	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
17	Sheppard Place	Shirley-Papanui	5838	Quercus robur		English Oak	Did not meet criteria
17	Sheppard Place	Shirley-Papanui	5839	Quercus robur		English Oak	Did not meet criteria
1	Show Place	Spreydon-Heathcote	2325	Quercus robur		English Oak	Did not meet criteria
1	Show Place	Spreydon-Heathcote	2326	Ulmus procera		English Elm	Did not meet criteria

29A	Snowdon Road	Fendalton-Waimairi	1336	Fagus sylvatica Purpurea		Copper Beech	Did not meet criteria
123A	Sparks Road	Spreydon-Heathcote	2214	Eriobotrya japonica		Loquat	Did not meet criteria
5	St Barnabas Lane	Fendalton-Waimairi	1576	Sequoiadendron giganteum		Wellingtonia	Did not meet criteria
35	St Martins Road	Spreydon-Heathcote	2730	Liriodendron tulipifera		Tulip Tree	Did not meet criteria
35A	St Martins Road	Spreydon-Heathcote	2731	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
38A	St Martins Road	Spreydon-Heathcote	2732	Quercus robur		English Oak	Tree not present
69	Stanleys Road	Fendalton-Waimairi	5033	Cordyline australis		Cabbage Tree	Did not meet criteria
62	Stanleys Road	Fendalton-Waimairi	5215	Quercus robur		English Oak	Did not meet criteria
62	Stanleys Road	Fendalton-Waimairi	5563	Tilia x europaea		Common Lime	Did not meet criteria
300	Stanmore Road	Hagley-Ferrymead	4595	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
268-316	State Highway 73	Fendalton-Waimairi	884	Eucalyptus globulus		Tasmanian Blue Gum	Did not meet criteria
19	Straven Road	Riccarton-Wigram	1483	Tilia pecies		Lime	Did not meet criteria
22	Straven Road	Riccarton-Wigram	1485	Quercus palustris		Pin Oak	Did not meet criteria
60	Straven Road	Riccarton-Wigram	1566	Fagus sylvatica		European Beech	Did not meet criteria
249	Styx Mill Road	Shirley-Papanui	5564	Cordyline australis		Cabbage Tree	Did not meet criteria
30	Sullivan Avenue	Hagley-Ferrymead	2711	Quercus rubra		Red Oak	Did not meet criteria
30	Sullivan Avenue	Hagley-Ferrymead	2712	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
30	Sullivan Avenue	Hagley-Ferrymead	2713	Ulmus glabra Horizontalis		Horizontal Elm	Did not meet criteria
110	Sullivan Avenue	Hagley-Ferrymead	2733	Rhododendron		Rhododendron	Did not meet criteria
27	Taupata Street	Hagley-Ferrymead	4857	Acer pseudoplatanus		Sycamore	Did not meet criteria
20	Taylors Avenue	Fendalton-Waimairi	5217	Quercus robur		English Oak	Did not meet criteria
7	The Oval	Spreydon-Heathcote	543	Quercus palustris		Pin Oak	Did not meet criteria
5	The Oval	Spreydon-Heathcote	544	Quercus palustris		Pin Oak	Did not meet criteria
15	Thornycroft Street	Fendalton-Waimairi	1327	Fagus sylvatica		European Beech	Did not meet criteria
23	Thornycroft Street	Fendalton-Waimairi	1340	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
23	Thornycroft Street	Fendalton-Waimairi	1341	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
23	Thornycroft Street	Fendalton-Waimairi	1570	Ulmus procera		English Elm	Did not meet criteria
14	Thorrington Road	Spreydon-Heathcote	2246	Nothofagus solandri		Black Beech	Did not meet criteria
14	Thorrington Road	Spreydon-Heathcote	2247	Nothofagus solandri		Black Beech	Did not meet criteria
14	Thorrington Road	Spreydon-Heathcote	2248	Nothofagus solandri		Black Beech	Did not meet criteria
14	Thorrington Road	Spreydon-Heathcote	2249	Nothofagus solandri		Black Beech	Tree Not Present
14	Thorrington Road	Spreydon-Heathcote	2250	Nothofagus solandri		Black Beech	Did not meet criteria
14	Thorrington Road	Spreydon-Heathcote	2251	Nothofagus solandri		Black Beech	Did not meet criteria
14	Thorrington Road	Spreydon-Heathcote	2249	Nothofagus solandri		Black Beech	Tree not present
38	Truro Street	Hagley-Ferrymead	2065	Araucaria heterophylla		Norfolk Island Pine	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	2066	Platanus x acerifolia	occidentalis x orientalis	London Plane	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	2067	Quercus suber		Cork Oak	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	2068	Morus nigra		Common Mulberry	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	2069	Cedrus deodara		Deodar Cedar	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	2071	Ulmus carpinifolia		Smooth-leaved Elm	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	2072	Crataegus mexicana		Mexican Hawthorn	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	2073	Photinia glabra		Japanese Photinia	Did not meet criteria

38	Truro Street	Hagley-Ferrymead	2074	Cedrus atlantica Glauca		Blue Atlas Cedar	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	2075	Corynocarpus laevigatus		Karaka	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	2076	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	2077	Catalpa bignonioides		Indian Bean Tree	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	2079	Quercus cerris		Turkey Oak	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	2080	Quercus robur		English Oak	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	2081	Quercus robur		English Oak	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	132393	Dodonaea viscosa Purpurea		Purple Ake Ake	Tree Not Present
38	Truro Street	Hagley-Ferrymead	132394	Pittosporum eugenioides Variegata		Variegated Lemonwood	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	132395	Pseudopanax arboreus		Five Finger	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	132397	Pittosporum eugenioides Variegata		Variegated Lemonwood	Did not meet criteria
38	Truro Street	Hagley-Ferrymead	132393	Dodonaea viscosa Purpurea		Purple Ake Ake	Tree not present
8	Tui Street	Fendalton-Waimairi	1346	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
8	Tui Street	Fendalton-Waimairi	1348	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
8	Tui Street	Fendalton-Waimairi	1349	Aesculus hippocastanum		Horse Chestnut	Did not meet criteria
8	Tui Street	Fendalton-Waimairi	1350	Aesculus hippocastanum		Horse Chestnut	Did not meet criteria
24	Turners Road	Shirley-Papanui	6311	Juglans regia		Common Walnut	Did not meet criteria
24	Turners Road	Shirley-Papanui	6312	Juglans regia		Common Walnut	Did not meet criteria
1	Voelas Road	Banks Peninsula	65922	Ulmus parvifolia		Chinese Elm	Did not meet criteria
47	Voelas Road	Banks Peninsula	65923	Magnolia soulangiana		Saucer Magnolia	Did not meet criteria
5	Wai-Iti Terrace	Fendalton-Waimairi	5219	Cedrus deodara		Deodar Cedar	Did not meet criteria
30	Wai-Iti Terrace	Fendalton-Waimairi	5220	Quercus robur		English Oak	Did not meet criteria
32	Wai-Iti Terrace	Fendalton-Waimairi	5221	Quercus robur		English Oak	Did not meet criteria
59	Wainui Street	Riccarton-Wigram	1493	Pseudopanax crassifolium		Lancewood	Tree not present
32	Wairarapa Terrace	Fendalton-Waimairi	3535	Cupressus torulosa		Bhutan Cypress	Did not meet criteria
111	Waitikiri Drive	Burwood-Pegasus	6200	Quercus robur		English Oak	Did not meet criteria
111	Waitikiri Drive	Burwood-Pegasus	6203	Abies pinsapo		Spanish Fir	Did not meet criteria
106	Western Valley Road	Banks Peninsula	65911	Elaeocarpus hookerianus		Pokaka	Did not meet criteria
107	Western Valley Road	Banks Peninsula	103032	Quercus robur		English Oak	Did not meet criteria
63	Westgrove Avenue	Fendalton-Waimairi	5067	Juglans regia		Common Walnut	Did not meet criteria
51	Whiteleigh Avenue	Spreydon-Heathcote	2330	Ulmus procera		English Elm	Did not meet criteria
51	Whiteleigh Avenue	Spreydon-Heathcote	2331	Fraxinus excelsior		English Ash	Did not meet criteria
51	Whiteleigh Avenue	Spreydon-Heathcote	2332	Quercus robur		English Oak	Did not meet criteria
51	Whiteleigh Avenue	Spreydon-Heathcote	2333	Acer pseudoplatanus		Sycamore	Did not meet criteria
51	Whiteleigh Avenue	Spreydon-Heathcote	2334	Ulmus procera		English Elm	Did not meet criteria
51	Whiteleigh Avenue	Spreydon-Heathcote	2335	Quercus robur		English Oak	Did not meet criteria
51	Whiteleigh Avenue	Spreydon-Heathcote	2336	Quercus robur		English Oak	Did not meet criteria
51	Whiteleigh Avenue	Spreydon-Heathcote	2337	Ulmus procera		English Elm	Did not meet criteria
51	Whiteleigh Avenue	Spreydon-Heathcote	2338	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
51	Whiteleigh Avenue	Spreydon-Heathcote	2339	Quercus robur		English Oak	Did not meet criteria
14	William Street	Banks Peninsula	65870	Morus nigra		Common Mulberry	Did not meet criteria
192	Wilsons Road South	Spreydon-Heathcote	2736	Agathis australis		Kauri	Did not meet criteria

17	Winchester Street	Banks Peninsula	65924	Quercus robur		English Oak	Did not meet criteria
17	Winchester Street	Banks Peninsula	65925	Quercus robur		English Oak	Did not meet criteria
45A	Withells Road	Fendalton-Waimairi	887	Acer pseudoplatanus		Sycamore	Did not meet criteria
106	Withells Road	Fendalton-Waimairi	888	Aristotelia serrata		Wineberry	Did not meet criteria
34	Woodham Road	Hagley-Ferrymead	4594	Cedrus atlantica		Atlas Cedar	Did not meet criteria
67	Woodills Road	Banks Peninsula	65877	Podocarpus totara		Totara	Did not meet criteria
53	Woodills Road	Banks Peninsula	65878	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
67	Woodills Road	Banks Peninsula	131490	Podocarpus totara		Totara	Did not meet criteria
80	Woodills Road	Banks Peninsula	65874	Laurus nobilis		Sweet Bay	Tree not assessed
80	Woodills Road	Banks Peninsula	65875	Castanea sativa		Sweet Chestnut	Tree not assessed
80	Woodills Road	Banks Peninsula	65876	Podocarpus		Totara	Tree not assessed
295	Wooldridge Road	Fendalton-Waimairi	5571	Eucalyptus viminalis		Manna Gum	Did not meet criteria
2	Worcester Street	Hagley-Ferrymead	3339	Podocarpus totara		Totara	Tree not assessed
2	Worcester Street	Hagley-Ferrymead	3340	Tilia platyphyllos Rubra		Red Twigged Lime	Tree not assessed
2	Worcester Street	Hagley-Ferrymead	3341	Fagus sylvatica Purpurea		Copper Beech	Tree not assessed
30	Worcester Street	Hagley-Ferrymead	3753	Podocarpus totara		Totara	Tree not assessed
15	Worcester Street	Hagley-Ferrymead	3273	Magnolia grandiflora		Southern Magnolia	Did not meet criteria
154	Worcester Street	Hagley-Ferrymead	3301	Acer pseudoplatanus		Sycamore	Did not meet criteria
154	Worcester Street	Hagley-Ferrymead	3325	Acer pseudoplatanus		Sycamore	Did not meet criteria
154	Worcester Street	Hagley-Ferrymead	3326	Acer pseudoplatanus		Sycamore	Did not meet criteria
124	Worcester Street	Hagley-Ferrymead	3388	Chamaecyparis lawsoniana		Lawson Cypress	Did not meet criteria
154	Worcester Street	Hagley-Ferrymead	3318	Acer pseudoplatanus		Sycamore	Tree not present
7B	Worsleys Road	Spreydon-Heathcote	1885	Quercus robur		English Oak	Did not meet criteria
7A	Worsleys Road	Spreydon-Heathcote	1887	Quercus robur		English Oak	Did not meet criteria
67	Yaldhurst Road	Riccarton-Wigram	1381	Aesculus hippocastanum		Horse Chestnut	Did not meet criteria
67	Yaldhurst Road	Riccarton-Wigram	1382	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
67	Yaldhurst Road	Riccarton-Wigram	1383	Fraxinus excelsior		English Ash	Did not meet criteria
67	Yaldhurst Road	Riccarton-Wigram	1385	Cedrus atlantica		Atlas Cedar	Did not meet criteria
67	Yaldhurst Road	Riccarton-Wigram	1387	Ulmus procera		English Elm	Did not meet criteria
67	Yaldhurst Road	Riccarton-Wigram	1388	Sequoia sempervirens		Coast Redwood	Did not meet criteria
67	Yaldhurst Road	Riccarton-Wigram	1590	Ulmus procera		English Elm	Did not meet criteria
67	Yaldhurst Road	Riccarton-Wigram	1593	Ulmus procera		English Elm	Did not meet criteria
67	Yaldhurst Road	Riccarton-Wigram	1589	Ulmus procera		English Elm	Tree not present
Groups of Trees							
5797	Christchurch Akaroa Road	Banks Peninsula	132949	Dacrycarpus dacrydioides		Kahikatea	
5797	Christchurch Akaroa Road	Banks Peninsula	132950	Dacrycarpus dacrydioides		Kahikatea	
5797	Christchurch Akaroa Road	Banks Peninsula	132951	Dacrycarpus dacrydioides		Kahikatea	
5797	Christchurch Akaroa Road	Banks Peninsula	132952	Dacrycarpus dacrydioides		Kahikatea	
5797	Christchurch Akaroa Road	Banks Peninsula	132953	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
5797	Christchurch Akaroa Road	Banks Peninsula	132954	Dacrycarpus dacrydioides		Kahikatea	
5797	Christchurch Akaroa Road	Banks Peninsula	132955	Dacrycarpus dacrydioides		Kahikatea	
5797	Christchurch Akaroa Road	Banks Peninsula	132956	Dacrycarpus dacrydioides		Kahikatea	
5797	Christchurch Akaroa Road	Banks Peninsula	132957	Dacrycarpus dacrydioides		Kahikatea	

5797	Christchurch Akaroa Road	Banks Peninsula	132958	Dacrycarpus dacrydioides		Kahikatea	
5797	Christchurch Akaroa Road	Banks Peninsula	132959	Dacrycarpus dacrydioides		Kahikatea	
5797	Christchurch Akaroa Road	Banks Peninsula	132960	Dacrycarpus dacrydioides		Kahikatea	
5797	Christchurch Akaroa Road	Banks Peninsula	132961	Dacrycarpus dacrydioides		Kahikatea	
5797	Christchurch Akaroa Road	Banks Peninsula	132962	Dacrycarpus dacrydioides		Kahikatea	
5797	Christchurch Akaroa Road	Banks Peninsula	132963	Dacrycarpus dacrydioides		Kahikatea	
108	Shortland Street	Burwood-Pegasus	4949	Eucalyptus viminalis		Manna Gum	
108	Shortland Street	Burwood-Pegasus	4950	Eucalyptus viminalis		Manna Gum	Did not meet criteria
108	Shortland Street	Burwood-Pegasus	4951	Eucalyptus viminalis		Manna Gum	
108	Shortland Street	Burwood-Pegasus	4952	Eucalyptus viminalis		Manna Gum	
168	Clyde Road	Fendalton-Waimairi	1378	Acer pseudoplatanus		Sycamore	Did not meet criteria
168	Clyde Road	Fendalton-Waimairi	1379	Acer pseudoplatanus		Sycamore	
24A	Fendalton Road	Fendalton-Waimairi	3497	Acer palmatum		Japanese Maple	
22	Fendalton Road	Fendalton-Waimairi	3498	Acer palmatum		Japanese Maple	
24A	Fendalton Road	Fendalton-Waimairi	3499	Acer palmatum		Japanese Maple	
22	Fendalton Road	Fendalton-Waimairi	3500	Acer palmatum		Japanese Maple	Did not meet criteria
24A	Fendalton Road	Fendalton-Waimairi	3501	Acer palmatum		Japanese Maple	
22	Fendalton Road	Fendalton-Waimairi	3502	Acer palmatum		Japanese Maple	
22	Fendalton Road	Fendalton-Waimairi	3504	Acer palmatum		Japanese Maple	
26A	Glandovey Road	Fendalton-Waimairi	1313	Fraxinus excelsior		English Ash	
26A	Glandovey Road	Fendalton-Waimairi	1314	Fraxinus excelsior		English Ash	
26A	Glandovey Road	Fendalton-Waimairi	1315	Fraxinus excelsior		English Ash	Did not meet criteria
26A	Glandovey Road	Fendalton-Waimairi	1316	Fraxinus excelsior		English Ash	
26A	Glandovey Road	Fendalton-Waimairi	1317	Fraxinus excelsior		English Ash	
26A	Glandovey Road	Fendalton-Waimairi	1318	Fraxinus excelsior		English Ash	
60	Glandovey Road	Fendalton-Waimairi	1596	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1597	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1598	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1599	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1600	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1601	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1602	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1603	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
60	Glandovey Road	Fendalton-Waimairi	1605	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1606	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1608	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1609	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1610	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1611	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1612	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1613	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
60	Glandovey Road	Fendalton-Waimairi	1614	Griselinia littoralis		Broadleaf	
60	Glandovey Road	Fendalton-Waimairi	1615	Olearia traversii		Chatham Islands Ake Ake	Did not meet criteria
60	Glandovey Road	Fendalton-Waimairi	1616	Podocarpus totara		Totara	

60	Glandovey Road	Fendalton-Waimairi	1617	Olearia traversii		Chatham Islands Ake Ake	
60	Glandovey Road	Fendalton-Waimairi	1621	Olearia traversii		Chatham Islands Ake Ake	
60	Glandovey Road	Fendalton-Waimairi	1622	Olearia traversii		Chatham Islands Ake Ake	
60	Glandovey Road	Fendalton-Waimairi	1627	Olearia traversii		Chatham Islands Ake Ake	
60	Glandovey Road	Fendalton-Waimairi	1629	Olearia traversii		Chatham Islands Ake Ake	
60	Glandovey Road	Fendalton-Waimairi	1631	Pittosporum eugenioides		Lemonwood	
73	Rossall Street	Fendalton-Waimairi	3729	Betula pendula		Silver Birch	
73	Rossall Street	Fendalton-Waimairi	3730	Betula pendula		Silver Birch	
73	Rossall Street	Fendalton-Waimairi	3731	Betula pendula		Silver Birch	
73	Rossall Street	Fendalton-Waimairi	3732	Betula pendula		Silver Birch	Did not meet criteria
73	Rossall Street	Fendalton-Waimairi	3733	Betula pendula		Silver Birch	
73	Rossall Street	Fendalton-Waimairi	3734	Betula pendula		Silver Birch	
73	Rossall Street	Fendalton-Waimairi	3735	Betula pendula		Silver Birch	
73	Rossall Street	Fendalton-Waimairi	3736	Betula pendula		Silver Birch	
1	Wood Lane	Fendalton-Waimairi	3627	Liriodendron tulipifera		Tulip Tree	Did not meet criteria
1	Wood Lane	Fendalton-Waimairi	3628	Liriodendron tulipifera		Tulip Tree	
46	Balrudry Street	Riccarton-Wigram	975	Quercus robur		English Oak	
46	Balrudry Street	Riccarton-Wigram	976	Quercus robur		English Oak	
46	Balrudry Street	Riccarton-Wigram	977	Quercus robur		English Oak	
46	Balrudry Street	Riccarton-Wigram	978	Quercus robur		English Oak	
46	Balrudry Street	Riccarton-Wigram	979	Quercus robur		English Oak	
46	Balrudry Street	Riccarton-Wigram	980	Quercus robur		English Oak	Did not meet criteria
46	Balrudry Street	Riccarton-Wigram	981	Quercus robur		English Oak	
46	Balrudry Street	Riccarton-Wigram	982	Quercus robur		English Oak	
46	Balrudry Street	Riccarton-Wigram	1633	Quercus robur		English Oak	
46	Balrudry Street	Riccarton-Wigram	1634	Quercus robur		English Oak	
46	Balrudry Street	Riccarton-Wigram	1635	Quercus robur		English Oak	
46	Balrudry Street	Riccarton-Wigram	1636	Quercus robur		English Oak	
87	Brockworth Place	Riccarton-Wigram	3641	Pittosporum eugenioides		Lemonwood	
87	Brockworth Place	Riccarton-Wigram	132389	Pittosporum eugenioides		Lemonwood	Did not meet criteria
87	Brockworth Place	Riccarton-Wigram	132390	Pittosporum eugenioides		Lemonwood	
82	Brockworth Place	Riccarton-Wigram	3640	Cordyline australis		Cabbage Tree	
82	Brockworth Place	Riccarton-Wigram	132391	Cordyline australis		Cabbage Tree	Did not meet criteria
82	Brockworth Place	Riccarton-Wigram	132392	Cordyline australis		Cabbage Tree	
189	Deans Avenue	Riccarton-Wigram	3582	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
189	Deans Avenue	Riccarton-Wigram	3583	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
189	Deans Avenue	Riccarton-Wigram	3584	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
189	Deans Avenue	Riccarton-Wigram	3585	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	Did not meet criteria
189	Deans Avenue	Riccarton-Wigram	3586	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
189	Deans Avenue	Riccarton-Wigram	3587	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
189	Deans Avenue	Riccarton-Wigram	3588	Tilia x europaea	cordata x platyphyllos x vulgaris x intermedia	Common Lime	
70	Harakeke Street	Riccarton-Wigram	3791	Picea smithiana		Morinda Spruce	
70	Harakeke Street	Riccarton-Wigram	3792	Cupressus torulosa		Bhutan Cypress	Did not meet criteria
70	Harakeke Street	Riccarton-Wigram	3793	Picea smithiana		Morinda Spruce	

75	Aynsley Terrace	Spreydon-Heathcote	2717	Araucaria araucana		Monkey Puzzle	
75	Aynsley Terrace	Spreydon-Heathcote	2718	Abies alba		Silver Fir	Did not meet criteria
75	Aynsley Terrace	Spreydon-Heathcote	2719	Abies alba		Silver Fir	
103	Dyers Pass Road	Spreydon-Heathcote	1875	Nothofagus fusca		Red Beech	
103	Dyers Pass Road	Spreydon-Heathcote	1876	Dacrycarpus dacrydioides		Kahikatea	Did not meet criteria
103	Dyers Pass Road	Spreydon-Heathcote	1877	Dacrydium cupressinum		Rimu	
11	Gwynfa Avenue	Spreydon-Heathcote	132398	Podocarpus totara		Totara	Did not meet criteria
11	Gwynfa Avenue	Spreydon-Heathcote	132399	Dacrycarpus dacrydioides		Kahikatea	
1	Martindales Road	Hagley-Ferrymead	108630	Myoporum laetum		Ngaio	
1	Martindales Road	Hagley-Ferrymead	108631	Sophora microphylla		Small-leaved Kowhai	
1	Martindales Road	Hagley-Ferrymead	108632	Pittosporum eugenioides		Lemonwood	
1	Martindales Road	Hagley-Ferrymead	108633	Pittosporum eugenioides		Lemonwood	
1	Martindales Road	Hagley-Ferrymead	108634	Kunzea ericoides		Kanuka	
1	Martindales Road	Hagley-Ferrymead	108635	Hoheria sextylosa		Long-leaved Lacebark	Did not meet criteria
1	Martindales Road	Hagley-Ferrymead	108636	Nothofagus fusca		Red Beech	
1	Martindales Road	Hagley-Ferrymead	108637	Griselinia littoralis		Broadleaf	
1	Martindales Road	Hagley-Ferrymead	108638	Pittosporum eugenioides		Lemonwood	
1	Martindales Road	Hagley-Ferrymead	108639	Cordyline australis		Cabbage Tree	
1	Martindales Road	Hagley-Ferrymead	108642	Kunzea ericoides		Kanuka	