

SOUTH WAIRARAPA DISTRICT COUNCIL

12 DECEMBER 2018

AGENDA ITEM C2

DISTRICT PLAN CHANGE NOTIFICATION – UPDATE OF NOTABLE TREES REGISTER

Purpose of Report

To enable Council to commence the statutory processes required under the Resource Management Act 1991 to update the Wairarapa Combined District Plan's (WCDP) Notable Trees List (Appendix 1.4).

Recommendations

Officers recommend that Council:

1. Receive the Proposed District Plan Change – Notable Tree Register Officers Report and Appendices 1-6 (as the following supporting documents)
 - a. Proposed changes to Volume 1 and 2 of the WCDP:
 - i) "Proposed South Wairarapa District Table" dated 4 Dec 2018 to be inserted into Appendix 1.4 Notable Tree's WCDP Volume 1 (page 28-13 – 28-17) ([Appendix 1](#))
 - ii) "Proposed Notable Trees Register data" as appears in draft form in Planning Maps dated 4 Dec 2018 ([Appendix 2](#))
 - b. Background information:
 - i) "Summary of Notable Trees Evaluations" by Paper Street Tree Company dated 3 July 2018 ([Appendix 3](#))
 - ii) "STEM Explanatory Notes" by Paper Street Tree Company dated 3 July 2018 ([Appendix 4](#))
 - c. RMA Plan Change Statutory documents:
 - i) "Proposed RMA 1991 Schedule 1 Plan Change Proposal: District Plan Notable Tree Register" dated 4 Dec 2018 ([Appendix 5](#))
 - ii) "RMA 1991 Section 32 Evaluation report by Kaha Consulting Ltd dated 2 Dec 2018 ([Appendix 6](#))

2. Resolve, subject to possible minor corrections to publicly notify the proposed plan change and associated documents as described in recommendation 1 above, in accord with the Schedule 1 of the Resource Management Act 1991 (Appendix 5).
3. Authorise the Group Manager, Planning and Environment to engage a suitably qualified hearings commissioner or commissioners to consider submissions and further submissions and recommend decisions to Council.

1. Executive Summary

Work has progressed to prepare a review of Appendix 1.4 Notable Trees register of the Wairarapa Combined District Plan. The overall approach to tree protection under the District Plan is not proposed to change. The purpose of the proposed plan change is to ensure that Appendix 1.4 is up to date and relevant, and that additional trees that have been suggested as being worthy of inclusion in the Appendix have been properly assessed.

2. Background

2.1 Work to date

- Site assessments/ community engagement July 2017-July 2018 by Planning Office/ subcontracted Arborist
- July 2018 Arborist report presented to Council
- July 2018-December 2018
 - RMA Plan Change Statutory documents prepared (Officers and Kaha Consulting Ltd.)
 - District Plan documents prepared (Officers and subcontracted Arborist)
- December 14 2018 Planning Office seeking Council approval to initiate notification of RMA Plan Change

2.2 Other background

Following a Council decision in July 2017 work has continued to prepare a review of Appendix 1.4 Notable Trees register of the Wairarapa Combined District Plan. Council engaged arborist Mr Richie Hill of the Paper Street Tree Company to assist in this specialised area of work.

The arborists work has involved applying the STEM method as a quantitative measure for the assessment of trees and recording the trees location with GPS. In the case of trees on sites where there is no land owner approval, Mr Hill's advice is that the STEM score level for such trees should reach 210 before District Plan protection is imposed.

As part of the review process the public were asked to nominate trees that were worthy of protection. In addition, the Greytown Tree Advisory Group were invited to suggest additional trees that could be included for protection.

3. Discussion

3.1 Officer's analysis

The proposed Plan Change will achieve the following;

- Provide protection of additional trees and thus protecting heritage value within the District.
- Remove trees from the register which do not merit heritage protection.
- Provide clarity and remove errors in the existing register. This will make working with the District Plan easier for the community and Council staff.

After receiving nominations from the public and the Greytown Tree Advisory Group (TAG) a total of 104 new trees or groups of trees have been assessed as of a high enough value to merit District Plan protection. A STEM assessment of 210 was deemed to be appropriate in order for Council to seek the protection of a tree or group of trees without landowner approval.

One group of trees (the Mead Oaks at 21 Wood Street, Greytown) nominated by the public and without landowner approval qualified for this protection with a STEM score of 210.

As a result of the assessments 45 trees are proposed to be removed from Appendix 1.4. This was because the trees were either no longer on the site, had significant defects / poor health, or were simply did not have a high enough STEM assessment.

The proposed total number of listed trees or groups of trees is 507. 448 trees or groups of trees are currently listed. This excludes 117 trees now listed singularly which were previously listed as groups.

3.2 Statutory Processes

It is not proposed in this report to go through the Plan Change in detail. All relevant information regards to the statutory mechanics of the Plan Change and Section 32 analysis required under the Resource Management Act 1991 are attached in Appendix 5 and 6. Instead a very brief summary of each is provided because Council has had briefings on the content previously.

3.2.1. Plan Change

This is the statutory document which must follow the form set out in the schedules to the Act and regulations. It is the mechanism to alter provisions in the Wairarapa Combined District Plan.

3.2.2. Section 32 Analysis

The section 32 analysis required under the Resource Management Act 1991 outlines the "benefits and costs" arising from the Plan Change and Structure Plan (note – the benefits/costs can be monetary or non-monetary). To do this it sets out the reasons for various parts of the other statutory documents.

3.3 Notification process

The Plan Change which includes the proposed Notable Trees register, will be publicly notified if Council resolves to receive the supporting documents enclosed in this report; proposed District Plan changes (Appendix 1 and 2), background information (Appendix 3 & 4) and RMA Plan Change Statutory Documents (Appendix 5 & 6). This notification will take place under the Resource Management Act 1991. Notification will be by way of notices in the press and must extend for a period of no less than 20 working days.

3.4 Submissions

Members of the public who have an interest in the plan change may lodge submissions during that period in relation to the contents of the three documents, either in support or opposition. If submissions are received then after the closing date for submissions, officers create a summary of decisions that have been requested by submitters. This describes all the submissions that have been made and the reasons for them.

3.5 Further Submissions

This summary is then notified for comment for a period of no less than 10 working days. Parties may then make a further submission on matters which have been raised in the original submissions, but only on those submissions in which they have an interest that is more than the public in general, or they are representing a relevant aspect of the public interest. As with submissions, a further submission must be made in opposition or support but of a particular original submission.

3.6 Hearings

Once the Council has received all submissions and further submissions, officers in conjunction with Council consultants will prepare a Section 42A report that includes:

- Summary of submissions and further submissions
- Analysis of all the submissions and further submissions
- Recommendations about which parts of the plan change should be adopted, removed or modified. The Council will then organise hearings if submitters have indicated they want to be heard. A hearing is not required where there is no one wishing to be heard, or where requests to be heard are withdrawn.

3.7 Independent Hearings Commissioner(s)

Because Council has a direct interest in the outcome of any hearings (through listed trees within Council land) an independent hearings commissioner(s) should be engaged to undertake the hearings process and recommend decisions to Council for adoption.

4. Conclusion

The attached documents have been prepared to enable Council to commence the legal processes under the Resource Management Act 1991 to allow the Notable Trees list to be updated. This process is subject to formal public

submissions and potentially hearings and is unlikely to be concluded quickly if submissions are made, as a hearing is then required. In addition submitters have the right to appeal any decisions made by Council through this process to the Environment Court. The Environment Court can reject, accept in part, modify or accept the proposals, as such reviews are heard de novo.

5. Appendices

- Appendix 1 - Proposed South Wairarapa District Table to be inserted into *Appendix 1.4 Notable Tree's WCDP Volume 1* (page 28-13 – 28-17)
- Appendix 2 - Proposed Notable Tree Register data as appears in draft form in Planning Maps dated 4 Dec 2018
- Appendix 3 - Summary of Notable Tree Evaluations by Paper Street Tree Company dated 3 July 2018
- Appendix 4 - STEM Explanatory Notes by Paper Street Tree Company dated 3 July 2018
- Appendix 5 - Proposed RMA 1991 Schedule 1 Plan Change Proposal: District Plan Notable Trees Register
- Appendix 6 - RMA 1991 Section 32 Evaluation report by Kaha Consulting Ltd

Contact Officer: Lou Brown, Planner / Russell Hooper, Planning Manager

Reviewed By: Russell O'Leary, Group Manager Planning and Environment

**Appendix 1 - South
Wairarapa District Table
dated - proposed to replace
existing table in District Plan
Notable Tree register WCDP
(4 December 2018)**

[Proposed] Appendix 1.4 Notable Tree's
South Wairarapa District ONLY

Updated details and proposed new tree's Appendix 1.4

Key: Ts000 = new tree on existing site | Ts000 = new site

| Notable Tree(s) Number | Tree details <i>common name, (botanical name)(#)</i> | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|---|--|-------------------|
| Ts001 | Pin oak (<i>Quercus palustris</i>) | 17 Jellicoe Street, Greytown (Lot 1 DP 71160) | 59 |
| Ts002 | English elm (<i>Ulmus procera</i>) | 12 Main Street, Greytown (Part Lot 4 DP 10792) | 59 |
| Ts003a | Common lime (<i>Tilia x europaea</i>) | 75 Main Street (beside BNZ building, Reserve land), Greytown (Lot 1 DP 76572) | 59 |
| Ts003b | Common lime (<i>Tilia x europaea</i>) | 76 Main Street (beside BNZ building, Reserve land), Greytown (Lot 1 DP 76572) | 59 |
| Ts004 | English oak (<i>Quercus robur</i>)(6) | 158 Main Street, Church Street near St Lukes Church boundary, Greytown (Lot 2 DP 86779) | 61 |
| Ts005 | Mountain ash (<i>Eucalyptus regnans</i>) | 135 Main Street, St Lukes Churchyard, Church Street, Greytown (Lot 2 DP 86779) | 61 |
| Ts006 | Douglas fir (<i>Pseudotsuga menziesii</i>) | 200 Main Street, Greytown (Lot 1 DP 719) | 60 |
| Ts008a | Maritime pine (<i>Pinus pinaster</i>) | 14 Bidwills Cutting Road, southern end of Greytown adjacent to (LOT 1 DP 419976 LOT 2 DP 510254) | 60 |
| Ts008b | Mexican cypress (<i>Cupressus lusitanica</i>) | 14 Bidwills Cutting Road, southern end of Greytown adjacent to (LOT 1 DP 419976 LOT 2 DP 510254) | 60 |
| Ts008c | Monterey pine (<i>Pinus radiata</i>) | 14 Bidwills Cutting Road, southern end of Greytown adjacent to (LOT 1 DP 419976 LOT 2 DP 510254) | 60 |
| Ts008d | Maritime pine (<i>Pinus pinaster</i>) | 14 Bidwills Cutting Road, southern end of Greytown adjacent to (LOT 1 DP 419976 LOT 2 DP 510254) | 60 |
| Ts008e | Monterey pine (<i>Pinus radiata</i>) | 14 Bidwills Cutting Road, southern end of Greytown adjacent to (LOT 1 DP 419976 LOT 2 DP 510254) | 60 |
| Ts008f | Monterey pine (<i>Pinus radiata</i>) | 14 Bidwills Cutting Road, southern end of Greytown adjacent to (LOT 1 DP 419976 LOT 2 DP 510254) | 60 |
| Ts009a | English oak (<i>Quercus robur</i>) | 48 – 50 Main Street, Arbor House, Greytown (Lot 1 DP 10779) | 59 |
| Ts009b | Camperdown elm (<i>Ulmus glabra</i> 'Camperdownii') | 49 – 50 Main Street, Arbor House, Greytown (Lot 1 DP 10779) | 59 |
| Ts010 | Common ash (<i>Fraxinus excelsior</i>) | 169-173 Main Street, Greytown Cobblestone Museum, Greytown (Lot 8 DP 31241) | 60 |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name) (#)</i> | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|--|--|-------------------|
| Ts011a | Avenue of red and pin oaks (<i>Quercus rubra</i> and <i>Q. palustris</i>) (10) | 2 Hospital Road, Greytown (opposite) (PART RESERVE TOWN OF GREYTOWN) | 60 |
| Ts011b | Avenue of red and pin oaks (<i>Quercus rubra</i> and <i>Q. palustris</i>) (9) | 2 Hospital Road, Old Hospital, Greytown (LOT 1 DP 405286) | 60 |
| Ts012a | English elm (<i>Ulmus procera</i>) | 16 Main Street, Greytown (Part Sec 8 Town of Greytown) | 59 |
| Ts012b | English oak (<i>Quercus robur</i>) | 16 Main Street, Greytown (Part Sec 8 Town of Greytown) | 59 |
| Ts013 | Canary Island palm (<i>Phoenix canariensis</i>) (3) | 115-117 Main Street, Old Greytown Public Library grounds, Stella Bull Park, Greytown (Part Lot 1 DP 11855) | 59 |
| Ts015a | English oak (<i>Quercus robur</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015b | Common ash (<i>Fraxinus excelsior</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015c | English oak (<i>Quercus robur</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015d | Common ash (<i>Fraxinus excelsior</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015e | Common ash (<i>Fraxinus excelsior</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015f | English oak (<i>Quercus robur</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015g | English oak (<i>Quercus robur</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015h | English oak (<i>Quercus robur</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015i | Common ash (<i>Fraxinus excelsior</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015j | English oak (<i>Quercus robur</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015k | English oak (<i>Quercus robur</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015l | English oak (<i>Quercus robur</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015m | Common ash (<i>Fraxinus excelsior</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015n | English oak (<i>Quercus robur</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015o | Horse chestnut (<i>Aesculus hippocastanum</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts015p | English oak (<i>Quercus robur</i>) | 162 West Street, Collier Reserve, Greytown (Lot 3 DP 43420) | 60 |
| Ts016 | Deodar cedar (<i>Cedrus deodara</i>) | 18 Mole Street, Greytown (Lot 1 DP 89116) | 59 |
| Ts017a | Common lime (<i>Tilia x europaea</i>) (55) | 11-55 Kuratawhiti Street, Soldiers Memorial Park, Greytown (Part Sec 4 Greytown Small Farm Settlement) | 59 |
| Ts017b | London plane (20) (<i>Platanus x acerifolia</i>) | 11-55 Kuratawhiti Street, Soldiers Memorial Park, Greytown (Part Sec 4 Greytown Small Farm Settlement) | 59 |
| Ts017c | Sycamore (<i>Acer pseudoplatanus</i>) | 11-55 Kuratawhiti Street, Soldiers Memorial Park, Greytown (Part Sec 4 Greytown Small Farm Settlement) | 59 |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name)</i>(#) | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|---|--|-------------------|
| Ts017d | Purple beech (5) (<i>Fagus sylvatica</i> 'Purpurea') | 11-55 Kuratawhiti Street, Soldiers Memorial Park, Greytown (Part Sec 4 Greytown Small Farm Settlement) | 59 |
| Ts017e | Common beech (<i>Fagus sylvatica</i>) | 11-55 Kuratawhiti Street, Soldiers Memorial Park, Greytown (Part Sec 4 Greytown Small Farm Settlement) | 59 |
| Ts017f | Common beech (<i>Fagus sylvatica</i>) | 11-55 Kuratawhiti Street, Soldiers Memorial Park, Greytown (Part Sec 4 Greytown Small Farm Settlement) | 59 |
| Ts017g | Common beech (<i>Fagus sylvatica</i>) | 11-55 Kuratawhiti Street, Soldiers Memorial Park, Greytown (Part Sec 4 Greytown Small Farm Settlement) | 59 |
| Ts017h | Common beech (<i>Fagus sylvatica</i>) | 11-55 Kuratawhiti Street, Soldiers Memorial Park, Greytown (Part Sec 4 Greytown Small Farm Settlement) | 59 |
| Ts017i | Common beech (<i>Fagus sylvatica</i>) | 11-55 Kuratawhiti Street, Soldiers Memorial Park, Greytown (Part Sec 4 Greytown Small Farm Settlement) | 59 |
| Ts017j | Common beech (<i>Fagus sylvatica</i>) | 11-55 Kuratawhiti Street, Soldiers Memorial Park, Greytown (Part Sec 4 Greytown Small Farm Settlement) | 59 |
| Ts017k | Common beech (<i>Fagus sylvatica</i>) | 11-55 Kuratawhiti Street, Soldiers Memorial Park, Greytown (Part Sec 4 Greytown Small Farm Settlement) | 59 |
| Ts017l | English elm (55) (<i>Ulmus procera</i>) | 11-55 Kuratawhiti Street, Soldiers Memorial Park, Greytown (Part Sec 4 Greytown Small Farm Settlement) | 59 |
| Ts017m | Common beech (<i>Fagus sylvatica</i>) (5) | 11-55 Kuratawhiti Street, Soldiers Memorial Park, Greytown (Part Sec 4 Greytown Small Farm Settlement) | 59 |
| Ts020a | Tulip tree (<i>Liriodendron tulipifera</i>) | 10 Jellicoe Street (beside on road reserve), Greytown (LOT 3 DP 398828) | 59 |
| Ts020b | Horse chestnut (<i>Aesculus hippocastanum</i>) | 10 Jellicoe Street (beside on road reserve), Greytown (LOT 3 DP 398828) | 59 |
| Ts021 | English oak (<i>Quercus robur</i>) | 2 Clara Anne Grove, Greytown (Lot 2 DP 44064) | 59 |
| Ts023a | Southern magnolia (<i>Magnolia grandiflora</i>) | 129 Main Street, Greytown (Pt Sec 55 Town of Greytown) | 60, 61 |
| Ts023b | Camellia (<i>Camellia</i> sp.) | 129 Main Street, Greytown (Pt Sec 55 Town of Greytown) | 60, 61 |
| Ts024a | Wych elm (<i>Ulmus glabra</i> "horizontalis") | 195 East Street, Old Hospital Grounds, Greytown (Lot 1 DP 461648) | 60 |
| Ts024b | Wych elm (<i>Ulmus glabra</i> "horizontalis") | 197 East Street, Old Hospital Grounds, Greytown (Lot 1 DP 461648) | 60 |
| Ts024c | Common lime (<i>Tilia x europaea</i>) | 197 East Street, Old Hospital Grounds, Greytown (Lot 1 DP 461648) | 60 |
| Ts025 | English oak (<i>Quercus robur</i>) | 188 Main Street Greytown (LOT 1 DP 342812) | 60 |
| Ts026 | Common walnut (<i>Juglans regia</i>) | 78 Main Street, Greytown (Lot 1 DP 89322) | 60 |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name)</i>(#) | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|---|--|-------------------|
| Ts027 | Liquidambar (Liquidamber styraciflua) | 54 Wood Street, Greytown (Lot 1 DP 32333) | 60 |
| Ts028 | English oak (Quercus robur) | 86 West Street (beside on road reserve), Greytown | 59 |
| Ts029a | Pin oak (Quercus palustris) | 31 West Street, Greytown (Part Sec 16 Town of Greytown) | 59 |
| Ts029b | Purple beech (Fagus sylvatica purpurea) | 31 West Street, Greytown (Part Sec 16 Town of Greytown) | 59 |
| Ts029c | Pin oak (Quercus palustris) | 31 West Street, Greytown (Part Sec 16 Town of Greytown) | 59 |
| Ts030 | Yew (Taxus baccata) | 106 West Street, Greytown (Lot 2 DP 70079) | 59 |
| Ts031 | English oak (Quercus robur) | 100 West Street, (beside on Road reserve) Greytown (Lot 1 DP 64859) | 59 |
| Ts032 | English oak (Quercus robur) | 7a Cotter Street, Greytown (Part Lot 25 Deeds 38) | 60 |
| Ts033 | Peruvian peppercorn tree (Schinus molle) | 21 East Street, Greytown (Lot 6 DP 22662) | 59 |
| Ts035 | English oak (Quercus robur) | 73-99 East Street, Greytown Primary School, Greytown (Part Sec 31 Greytown Belt) | 61 |
| Ts036 | English oak (Quercus robur) | 34 Humphries Street, (Road verge opp. 37 and adjacent to 34), Greytown | 60 |
| Ts038a | English oak (Quercus robur) | 35 Wood Street, Greytown (Lot 9 Deeds 310) | 59 |
| Ts038b | Rhododendron (Rhododendron sp.) (3) | 35 Wood Street, Greytown (Lot 9 Deeds 310) | 59 |
| Ts038c | Rhododendron (Rhododendron sp.) | 35 Wood Street, Greytown (Lot 9 Deeds 310) | 59 |
| Ts038d | Rhododendron (Rhododendron sp.) | 35 Wood Street, Greytown (Lot 9 Deeds 310) | 59 |
| Ts038e | Kauri (Agathis australis) | 35 Wood Street, Greytown (Lot 9 Deeds 310) | 59 |
| Ts040 | English elm (Ulmus procera) (2) | 23-25 Wood Street, Greytown (Lot 2 DP 302341) | 59 |
| Ts042 | English oak (Quercus robur) | 58B Kuratawhiti Street, Greytown (Lot 1 DP 34617) | 59 |
| Ts043 | Judas tree (Cercis siliquastrum) | 46 Kuratawhiti Street, Greytown (Part Sec 5 of Greytown Small Farm Settlement) | 59 |
| Ts044a | Common beech (Fagus sylvatica) | 40 Kuratawhiti Street, Greytown (Lot 1 DP 83851) | 59 |
| Ts044b | Common ash (Fraxinus excelsior) | 40 Kuratawhiti Street, Greytown (Lot 1 DP 83851) | 59 |
| Ts044c | Common lime (Tilia x europaea) | 40 Kuratawhiti Street, Greytown (Lot 1 DP 83851) | 59 |
| Ts044d | Common ash (Fraxinus excelsior) | 40 Kuratawhiti Street, Greytown (Lot 1 DP 83851) | 59 |
| Ts044e | Common beech (Fagus sylvatica) | 40 Kuratawhiti Street, Greytown (Lot 1 DP 83851) | 59 |
| <u>Ts044f</u> | Common lime (Tilia x europaea) | 40 Kuratawhiti Street, Greytown (Lot 1 DP 83851) | 59 |
| <u>Ts044g</u> | Photinia (Photinia serratifolia) | 40 Kuratawhiti Street, Greytown (Lot 1 DP 83851) | 59 |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name)</i>(#) | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|--|--|-------------------|
| <u>Ts044h</u> | Common lime (<i>Tilia x europaea</i>) | 40 Kuratawhiti Street, Greytown (Lot 2 DP 83851) | 59 |
| <u>Ts044i</u> | Common lime (<i>Tilia x europaea</i>) | 40 Kuratawhiti Street, Greytown (Lot 1 DP 83851) | 59 |
| Ts045a | Totara (<i>Podocarpus totara</i>) | 46 West Street, Greytown (Lot 1 DP 8748) | 59 |
| <u>Ts045b</u> | Large spindle bush (<i>Euonymus lucidus</i>) | 46 West Street, Greytown (Lot 1 DP 8748) | 59 |
| Ts045c | Matai (<i>Prumnopitys taxifolia</i>) | 46 West Street, Greytown (Lot 1 DP 8748) | 59 |
| Ts045d | Matai (<i>Prumnopitys taxifolia</i>) | 46 West Street, Greytown (Lot 1 DP 8748) | 59 |
| Ts045e | Matai (<i>Prumnopitys taxifolia</i>) | 46 West Street, Greytown (Lot 1 DP 8748) | 59 |
| Ts045f | Totara (<i>Podocarpus totara</i>) | 46 West Street, Greytown (Lot 1 DP 8748) | 59 |
| Ts045g | Totara (<i>Podocarpus totara</i>) | 46 West Street, Greytown (Lot 1 DP 8748) | 59 |
| Ts045h | Totara (<i>Podocarpus totara</i>) | 46 West Street, Greytown (Lot 1 DP 8748) | 59 |
| Ts045i | Totara (<i>Podocarpus totara</i>) | 46 West Street, Greytown (Lot 1 DP 8748) | 59 |
| Ts045j | Totara (<i>Podocarpus totara</i>) | 46 West Street, Greytown (Lot 1 DP 8748) | 59 |
| Ts045k | Totara (<i>Podocarpus totara</i>) | 46 West Street, Greytown (Lot 1 DP 8748) | 59 |
| Ts045l | Totara (<i>Podocarpus totara</i>) | 46 West Street, Greytown (Lot 1 DP 8748) | 59 |
| Ts045m | Native numerous (Totara - <i>Podocarpus totara</i> (40), Matai (<i>Prumnopitys taxifolia</i>) (4), understory mature Titoki (<i>Alectryon excelsus</i>) and a white maire (<i>Nestegis lanceolata</i>) | 46 West Street, Greytown (Lot 1 DP 8748) | 59 |
| Ts046 | English oak (<i>Quercus robur</i>)(77) | Woodside Trail, Old Railway line west to Cotter Street, rural Featherston (Lot 1 DP 30169) | 60 |
| Ts047 | English oak (<i>Quercus robur</i>)(18) | Woodside Trail, Old Railway line west to Cotter Street, rural Featherston (Lot 1 DP 30169) | 60 |
| Ts048a | Californian live oak (<i>Quercus agrifolia</i>) | 38 Donald Street, Featherston (Lot 1 DP 359158) | 65 |
| Ts048b | Hard beech (<i>Fuscospora solandri</i>) | 38 Donald Street, Featherston (Lot 1 DP 359158) | 65 |
| Ts048c | Hard beech (<i>Fuscospora solandri</i>) | 38 Donald Street, Featherston (Lot 1 DP 359158) | 65 |
| Ts048d | Messmate (<i>Eucalyptus obliqua</i>) | 38 Donald Street, Featherston (Lot 1 DP 359158) | 65 |
| Ts049a | Purple beech (<i>Fagus sylvatica purpurea</i>) | 31 Wakefield Street, Featherston (Part Sec 115 Town of Featherston) | 63, 64 |
| Ts049b | Norfolk Island pine (<i>Araucaria heterophylla</i>) | 31 Wakefield Street, Featherston (Part Sec 115 Town of Featherston) | 63, 64 |
| Ts049c | Lawson cypress (<i>Chamaecyparis lawsoniana</i>) | 31 Wakefield Street, Featherston (Part Sec 115 Town of Featherston) | 63, 64 |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name) (#)</i> | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|--|--|-------------------|
| Ts050 | Native numerous (all native vegetation that stands within the lot including <i>Paratrophis banksii</i> , <i>Corynocarpus laevigatus</i> , <i>Dacrycarpus dacrydioides</i> , <i>Podocarpus totara</i>) | 605 Western Lake Road, Pigeon Bush, Featherston (Lot 2 DP 89479), (Lot 2 DP 351055) | 18 |
| Ts051a | Matai (<i>Prumnopitys taxifolia</i>) | 391 Underhill Road, Featherston (Lot 1 DP 80348) | 18 |
| Ts051b | Totara (<i>Podocarpus totara</i>) | 391 Underhill Road, Featherston (Lot 1 DP 80348) | 18 |
| Ts051c | Rimu (<i>Dacrydium cupressinum</i>) | 391 Underhill Road, Featherston (Lot 1 DP 80348) | 18 |
| Ts051d | Totara (<i>Podocarpus totara</i>) | 391 Underhill Road, Featherston (Lot 1 DP 80348) | 18 |
| Ts051e | Black maire (<i>Nestegis cunninghamii</i>) (2) | 391 Underhill Road, Featherston (Lot 1 DP 80348) | 18 |
| Ts051f | Matai (<i>Prumnopitys taxifolia</i>) | 391 Underhill Road, Featherston (Lot 1 DP 80348) | 18 |
| Ts051g | Matai (<i>Prumnopitys taxifolia</i>) | 391 Underhill Road, Featherston (Lot 1 DP 80348) | 18 |
| Ts051h | Kahikatea (<i>Dacrycarpus dacrydioides</i>) | 391 Underhill Road, Featherston (Lot 1 DP 80348) | 18 |
| Ts052 | Native numerous (totara (28) (<i>Podocarpus totara</i>) matai (17) (<i>Prumnopitys taxifolia</i>)) | 96 Underhill Road (Barr Brown Reserve), Featherston (Lot 31 DP 46642) | 63 |
| Ts053a | Giant sequoia (<i>Sequoiadendron giganteum</i>) | 2292-2388 Western Lake Road, Wairongomai, rural Featherston (Part Sec 19 Western Lake District SO 10683) | 23 |
| Ts053b | Giant sequoia (<i>Sequoiadendron giganteum</i>) | 2292-2388 Western Lake Road, Wairongomai, rural Featherston (Part Sec 19 Western Lake District SO 10683) | 23 |
| Ts053c | Coastal redwood (<i>Sequoia sempervirens</i>) | 2292-2388 Western Lake Road, Wairongomai, rural Featherston (Part Sec 19 Western Lake District SO 10683) | 23 |
| Ts054a | Norfolk Island pine (<i>Araucaria heterophylla</i>) | 2292-2388 Western Lake Road, Wairongomai, rural Featherston (Part Sec 19 Western Lake District SO 10683) | 23 |
| Ts054b | Norfolk Island pine (<i>Araucaria heterophylla</i>) | 2292-2388 Western Lake Road, Wairongomai, rural Featherston (Part Sec 19 Western Lake District SO 10683) | 23 |
| Ts054c | Monterey pine (<i>Pinus radiata</i>) | 2292-2388 Western Lake Road, Wairongomai, rural Featherston (Part Sec 19 Western Lake District SO 10683) | 23 |
| Ts054d | Sweet chestnut (<i>Castanea sativa</i>) | 2292-2388 Western Lake Road, Wairongomai, rural Featherston (Part Sec 19 Western Lake District SO 10683) | 23 |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name) (#)</i> | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|--|--|-------------------|
| Ts054e | Maritime pine (<i>Pinus pinaster</i>) | 2292-2388 Western Lake Road, Wairongomai, rural Featherston (Part Sec 19 Western Lake District SO 10683) | 23 |
| Ts054f | English elm (<i>Ulmus procera</i>) | 2292-2388 Western Lake Road, Wairongomai, rural Featherston (Part Sec 19 Western Lake District SO 10683) | 23 |
| Ts054g | Bunya bunya (<i>Araucaria bidwillii</i>) | 2292-2388 Western Lake Road, Wairongomai, rural Featherston (Part Sec 19 Western Lake District SO 10683) | 23 |
| Ts054h | Matai (<i>Prumnopitys taxifolia</i>) | 2292-2388 Western Lake Road, Wairongomai, rural Featherston (Part Sec 19 Western Lake District SO 10683) | 23 |
| Ts055a | Holm oak (<i>Quercus ilex</i>) | 693a Kahutara Rd, Pihatea, rural Martinborough Lot 1 DP 423275 | 25 |
| Ts055b | Atlantic cedar (<i>Cedrus atlantica</i>) | 693a Kahutara Rd, Pihatea, rural Martinborough Lot 1 DP 423275 | 25 |
| Ts055c | Ponderosa pine (<i>Pinus ponderosa</i>) | 693a Kahutara Rd, Pihatea, rural Martinborough Lot 1 DP 423275 | 25 |
| Ts055d | Silver fir (<i>Abies alba</i>) | 693a Kahutara Rd, Pihatea, rural Martinborough Lot 1 DP 423275 | 25 |
| Ts055e | English elm (<i>Ulmus procera</i>) | 693a Kahutara Rd, Pihatea, rural Martinborough Lot 1 DP 423275 | 25 |
| Ts055f | Coastal redwood (<i>Sequoia sempervirens</i>) | 693a Kahutara Rd, Pihatea, rural Martinborough Lot 1 DP 423275 | 25 |
| Ts055g | Coastal redwood (<i>Sequoia sempervirens</i>) | 693a Kahutara Rd, Pihatea, rural Martinborough Lot 1 DP 423275 | 25 |
| Ts055h | English oak (<i>Quercus robur</i>) | 693a Kahutara Rd, Pihatea, rural Martinborough Lot 1 DP 423275 | 25 |
| Ts055i | Matai (<i>Prumnopitys taxifolia</i>) | 693a Kahutara Rd, Pihatea, rural Martinborough Lot 1 DP 423275 | 25 |
| Ts055j | Bunya bunya (<i>Araucaria bidwillii</i>) | 693a Kahutara Rd, Pihatea, rural Martinborough Lot 1 DP 423275 | 25 |
| Ts055k | Bunya bunya (<i>Araucaria bidwillii</i>) | 693a Kahutara Rd, Pihatea, rural Martinborough Lot 1 DP 423275 | 25 |
| Ts056 | Norfolk island pine (<i>Araucaria heterophylla</i>) | 17 Johnston Street, Featherston (Lot 1 DP 11388) | 64, 65 |
| Ts057a | Lawson cypress (<i>Chamaecyparis lawsoniana</i>) | 17 Johnston Street, Featherston Domain (Town Reserve of Featherston), Lot 1 DP 11388) | 63 |
| Ts057b | English oak (<i>Quercus robur</i>) | 17 Johnston Street, Featherston Domain (Town Reserve of Featherston), Lot 1 DP 11388) | 63 |
| Ts057c | English oak (<i>Quercus robur</i>) | 17 Johnston Street, Featherston Domain (Town Reserve of Featherston), Lot 1 DP 11388) | 63 |
| Ts057d | Coastal redwood (<i>Sequoia sempervirens</i>) | 17 Johnston Street, Featherston Domain (Town Reserve of Featherston), Lot 1 DP 11388) | 63 |
| Ts057e | Lawson cypress (<i>Chamaecyparis lawsoniana</i>) | 17 Johnston Street, Featherston Domain (Town Reserve of Featherston), Lot 1 DP 11388) | 63 |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name) (#)</i> | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|--|---|-------------------|
| Ts057f | Monterey pine (<i>Pinus radiata</i>) | 17 Johnston Street, Featherston Domain (Town Reserve of Featherston), Lot 1 DP 11388) | 63 |
| Ts057g | Giant sequoia (<i>Sequoiadendron giganteum</i>) | 17 Johnston Street, Featherston Domain (Town Reserve of Featherston), Lot 1 DP 11388) | 63 |
| Ts058a | Totara (<i>Podocarpus totara</i>) | 79 Underhill Road, Featherston (Lot 14 DP 46042) | 63 |
| Ts058b | Kauri (<i>Agathis australis</i>) | 79 Underhill Road, Featherston (Lot 14 DP 46042) | 63 |
| Ts058c | Black maire (<i>Nestegis cunninghamii</i>) | 79 Underhill Road, Featherston (Lot 14 DP 46042) | 63 |
| Ts058d | Matai (<i>Prumnopitys taxifolia</i>) | 79 Underhill Road, Featherston (Lot 14 DP 46042) | 63 |
| Ts058e | Kauri (<i>Agathis australis</i>) | 79 Underhill Road, Featherston (Lot 14 DP 46042) | 63 |
| Ts058f | Turepo milk tree (<i>Streblus heterophyllus</i>) | 79 Underhill Road, Featherston (Lot 14 DP 46042) | 63 |
| Ts059 | Karaka (<i>Corynocarpus laevigatus</i>) | 1280 Western Lake Road, Praire Holm, Featherston (Part Sec 80 Western Lake District) | 24 |
| Ts060a | Totara (<i>Podocarpus totara</i>) | Tauherenikau Racecourse, Featherston (Lot 3 DP 346532) | 19 |
| Ts060b | Matai (<i>Prumnopitys taxifolia</i>) | Tauherenikau Racecourse, Featherston (Lot 3 DP 346532) | 19 |
| Ts060c | Common lime (<i>Tilia x europaea</i>) | Tauherenikau Racecourse, Featherston (Lot 3 DP 346532) | 19 |
| Ts060d | Common lime (<i>Tilia x europaea</i>) | Tauherenikau Racecourse, Featherston (Lot 3 DP 346532) | 19 |
| Ts060e | Common lime (<i>Tilia x europaea</i>) | Tauherenikau Racecourse, Featherston (Lot 3 DP 346532) | 19 |
| Ts060f | English oak (<i>Quercus robur</i>) | Tauherenikau Racecourse, Featherston (Lot 3 DP 346532) | 19 |
| Ts060g | English oak (<i>Quercus robur</i>) | Tauherenikau Racecourse, Featherston (Lot 3 DP 346532) | 19 |
| Ts060h | London plane (<i>Platanus x acerifolia</i>) | Tauherenikau Racecourse, Featherston (Lot 3 DP 346532) | 19 |
| Ts060i | London plane (<i>Platanus x acerifolia</i>) | Tauherenikau Racecourse, Featherston (Lot 3 DP 346532) | 19 |
| Ts060j | Japanese maple (<i>Acer palmatum</i> 'Purpureum') | Tauherenikau Racecourse, Featherston (Lot 3 DP 346532) | 19 |
| Ts060k | Horse chestnut (<i>Aesculus hippocastanum</i>) | Tauherenikau Racecourse, Featherston (Lot 3 DP 346532) | 19 |
| Ts060l | Hiba (<i>Thujopsis dolabrata</i>) | Tauherenikau Racecourse, Featherston (Lot 3 DP 346532) | 19 |
| Ts060m | Kahikatea (<i>Dacrycarpus dacrydioides</i>) | Tauherenikau Racecourse, Featherston (Lot 3 DP 346532) | 19 |
| Ts060n | Totara (<i>Podocarpus totara</i>) | Tauherenikau Racecourse, Featherston (Lot 3 DP 346532) | 19 |
| Ts062a | Giant sequoia (<i>Sequoiadendron giganteum</i>) | 1027a Kahutara Road, Otahuna, Kahutara, rural Featherston (Lot 2 DP 91007) | 24 |
| Ts062b | English oak (<i>Quercus robur</i>) | 1027a Kahutara Road, Otahuna, Kahutara, rural Featherston (Lot 2 DP 91007) | 24 |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name)</i>(#) | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|---|--|-------------------|
| Ts062c | Canary Island palm (Phoenix canariensis) | 1027a Kahutara Road, Otahuna, Kahutara, rural Featherston (Lot 2 DP 91007) | 24 |
| Ts062d | Canary Island palm (Phoenix canariensis) | 1027a Kahutara Road, Otahuna, Kahutara, rural Featherston (Lot 2 DP 91007) | 24 |
| Ts062e | Mountain ash (Eucalyptus regnans) | 1027a Kahutara Road, Otahuna, Kahutara, rural Featherston (Lot 2 DP 91007) | 24 |
| Ts063 | Common walnut (Juglans regia) | 63 Bell Street, St Teresa's School, Featherston (Lot 1 DP 52326) | 65 |
| Ts064a | Horse chestnut (Aesculus hippocastanum) | 191 No. 1 Line, Lowlands, Tauherenikau, rural Featherston (Lot 2 DP 22068) | 19 |
| Ts064b | Red oak (Quercus rubra) | 191 No. 1 Line, Lowlands, Tauherenikau, rural Featherston (Lot 2 DP 22068) | 19 |
| Ts064c | Tasmanian bluegum (Eucalyptus globulus) | 191 No. 1 Line, Lowlands, Tauherenikau, rural Featherston (Lot 2 DP 22068) | 19 |
| Ts064d | Tasmanian bluegum (Eucalyptus globulus) | 191 No. 1 Line, Lowlands, Tauherenikau, rural Featherston (Lot 2 DP 22068) | 19 |
| Ts065 | Kahikatea (Dacrydium dacrydioides) | 73 Diversion Road, Featherston (PT LOT 2 DP 6881 SEC 33 PT SEC 92 MOROA) | 18, 19, 24, 25 |
| Ts066a | English oak (Quercus robur) | 54 Fitzherbert Street, Langs Pharmacy, Featherston (Lot 6 Deeds Plan 134) | 64 |
| Ts066b | English oak (Quercus robur) | 54 Fitzherbert Street, Langs Pharmacy, Featherston (Lot 6 Deeds Plan 134) | 64 |
| Ts066c | English oak (Quercus robur) | 54 Fitzherbert Street, Langs Pharmacy, Featherston (Lot 6 Deeds Plan 134) | 64 |
| <u>Ts067a</u> | Deodar cedar (Cedrus deodara) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067aa</u> | Turkey oak (Quercus cerris) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067b</u> | Deodar cedar (Cedrus deodara) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067c</u> | Common ash (Fraxinus excelsior) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067d</u> | Turkey oak (Quercus cerris) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067e</u> | Deodar cedar (Cedrus deodara) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067f</u> | English oak (Quercus robur) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| Ts067h | English oak (Quercus robur) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067i</u> | English oak (Quercus robur) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067j</u> | Holm oak (Quercus ilex) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name)</i>(#) | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|---|---|-------------------|
| Ts067k | Holm oak (<i>Quercus ilex</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067l</u> | Dutch elm (<i>Ulmus hollandica</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067m</u> | Yew (<i>Taxus baccata</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067n</u> | Cedar of Lebanon (<i>Cedrus libani</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067o</u> | Yew (<i>Taxus baccata</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067p</u> | Yew (<i>Taxus baccata</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067q</u> | Yew (<i>Taxus baccata</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067r</u> | Turkey oak (<i>Quercus cerris</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| Ts067s | Common lime (<i>Tilia x europaea</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| Ts067t | Californian redwood (<i>Sequoia sempervirens</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| Ts067u | Common walnut (<i>Juglans regia</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| Ts067v | Himalayan cypress (<i>Cupressus torulosa</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067w</u> | Turkey oak (<i>Quercus cerris</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067x</u> | Wych elm (<i>Ulmus glabra</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067y</u> | English oak (<i>Quercus robur</i>) | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| <u>Ts067z</u> | Camellia sp. | 808 Kahutara Road, Rototawai, Featherston (Part Lot 1 DP 14477) | 24 |
| Ts069a | Messmate (<i>Eucalyptus obliqua</i>) | 42 Moroa Road, The Cottage, Featherston (Lot 1 DP 25852) | 19 |
| Ts069b | English oak (<i>Quercus robur</i>) | 43 Moroa Road, The Cottage, Featherston (Lot 1 DP 25852) | 19 |
| Ts070a | Montpellier maple (<i>Acer monspessulanum</i>) | 124 Underhill Road/ 75 Johnston St, Featherston, Featherston Underhill Road Character Area, (Sec 95 & Pt Sec 102 Featherston Suburban SO 10563) | 63 |
| Ts070b | Native numerous | 124 Underhill Road/ 75 Johnston St, Featherston, Featherston Underhill Road Character Area, (Sec 95 & Pt Sec 102 Featherston Suburban SO 10563) | 63 |
| Ts070c | Douglas fir (<i>Pseudotsuga menziesii</i>) | 124 Underhill Road/ 75 Johnston St, Featherston, Featherston Underhill Road Character Area, (Sec 95 & Pt Sec 102 Featherston Suburban SO 10563) | 63 |
| Ts070d | Deodar cedar (<i>Cedrus deodara</i>) | 124 Underhill Road/ 75 Johnston St, Featherston, Featherston Underhill Road Character Area, (Sec 95 & Pt Sec 102 Featherston Suburban SO 10563) | 63 |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name) (#)</i> | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|--|---|-------------------|
| Ts070e | Turkey oak (<i>Quercus cerris</i>) | 124 Underhill Road/ 75 Johnston St, Featherston, Featherston Underhill Road Character Area, (Sec 95 & Pt Sec 102 Featherston Suburban SO 10563) | 63 |
| Ts070f | Turkey oak (<i>Quercus cerris</i>) | 124 Underhill Road/ 75 Johnston St, Featherston, Featherston Underhill Road Character Area, (Sec 95 & Pt Sec 102 Featherston Suburban SO 10563) | 63 |
| Ts071a | Kahikatea (<i>Dacrycarpus dacrydioides</i>) | 60 Lyon St, Featherston (Lot 1 DP 66586) | 64 |
| Ts071b | Kahikatea (<i>Dacrycarpus dacrydioides</i>) | 60 Lyon St, Featherston (Lot 1 DP 66586) | 64 |
| Ts071c | Kahikatea (<i>Dacrycarpus dacrydioides</i>) | 60 Lyon St, Featherston (Lot 1 DP 66586) | 64 |
| Ts071d | Kahikatea (<i>Dacrycarpus dacrydioides</i>) | 60 Lyon St, Featherston (Lot 1 DP 66586) | 64 |
| Ts071e | Kahikatea (<i>Dacrycarpus dacrydioides</i>) | 60 Lyon St, Featherston (Lot 1 DP 66586) | 64 |
| Ts071f | Totara (<i>Podocarpus totara</i>) | 60 Lyon St, Featherston (Lot 1 DP 66586) | 64 |
| Ts071g | Totara (<i>Podocarpus totara</i>) | 60 Lyon St, Featherston (Lot 1 DP 66586) | 64 |
| Ts072a | Purple beech (<i>Fagus sylvatica purpurea</i>) | 134 West Street, Greytown (LOT 21 DP 16344) | 60 |
| Ts072b | Douglas fir (<i>Pseudotsuga menziesii</i>) | 134 West Street, Greytown (LOT 21 DP 16344) | 60 |
| Ts073 | Pear (<i>Pyrus sp.</i>) | 89 No. 1 Line, Tauherenikau, rural Featherston (Lot 24 DP 991) | 19 |
| Ts074 | Totara (<i>Podocarpus totara</i>) | 87a Underhill Road, Featherston (Lot 3 DP 48280, Part Sec 27 Featherston Suburban Blk III Wairarapa SD) | 63 |
| Ts075a | Rhododendron "Sir Robert Peel" (3), | 160 Fitzherbert Street, Featherston (Lot 1 DP 50757) | 65 |
| <u>Ts075b</u> | Golden elm (<i>Ulmus glabra 'Lutescens'</i>) | 160 Fitzherbert Street, Featherston (Lot 1 DP 50757) | 65 |
| Ts076 | English oak (<i>Quercus robur</i>) | 25-29 Waite Street, Featherston (Lot 1 DP 83371) | 65 |
| Ts077a | Holm oak (<i>Quercus ilex</i>) | Memorial Square, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077b | Holm oak (<i>Quercus ilex</i>) | Memorial Square, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077c | English oak (<i>Quercus robur</i>) | Memorial Square, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077d | English oak (<i>Quercus robur</i>) | Memorial Square, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077e | English oak (<i>Quercus robur</i>) | Memorial Square, Martinborough (Closed Road Survey Office Plan 17366) | 68 |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name)</i>(#) | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|---|--|-------------------|
| Ts077f | English oak (<i>Quercus robur</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077g | English oak (<i>Quercus robur</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077h | English elm (<i>Ulmus procera</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077i | English elm (<i>Ulmus procera</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077j | English elm (<i>Ulmus procera</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077k | English elm (<i>Ulmus procera</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077l | English elm (<i>Ulmus procera</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077m | English elm (<i>Ulmus procera</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077n | Red oak (<i>Quercus rubra</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077o | Red oak (<i>Quercus rubra</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077p | Red oak (<i>Quercus rubra</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077q | Red oak (<i>Quercus rubra</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077r | Red oak (<i>Quercus rubra</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077s | Medlar (<i>Mespilus germanica</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077t | Silky oak (<i>Grevillea robusta</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077u | Red flowering gum (<i>Eucalyptus ficifolia</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077v | Red ironbark (<i>Eucalyptus sideroxylon</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077w | Chinese windmill palm (<i>Trachycarpus fortunei</i>) | Memorial Squere, Martinborough (Closed Road Survey Office Plan 17366) | 68 |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name) (#)</i> | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|--|--|-------------------|
| Ts077x | Tasmanian yellow gum (Eucalyptus leucoxylon Rosea) | Memorial Square, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts077y | Peruvian peppercorn tree (Schinus molle) | Memorial Square, Martinborough (Closed Road Survey Office Plan 17366) | 68 |
| Ts078a | Golden elm (Ulmus procera 'Louis Van Houtte') | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078b | Red oak (Quercus rubra) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078c | Claret ash (Fraxinus angustifolia subsp. oxycarpa) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078d | Tree of heaven (Ailanthus altissima) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078e | Pin oak (Quercus palustris) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078f | English oak (Quercus robur) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078g | Northern pin oak (Quercus ellipsoidalis) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078h | English oak (Quercus robur) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078i | Northern pin oak (Quercus ellipsoidalis) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078j | Northern pin oak (Quercus ellipsoidalis) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078k | English oak (Quercus robur) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078l | English oak (Quercus robur) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078m | Northern pin oak (Quercus ellipsoidalis) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078n | Northern pin oak (Quercus ellipsoidalis) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078o | English oak (Quercus robur) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078p | Turkey oak (Quercus cerris) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name) (#)</i> | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|--|--|-------------------|
| Ts078q | English oak (<i>Quercus robur</i>) | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078r | Golden Elm (<i>Ulmus procera</i> 'Louis Van Houtte') | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts078s | Totara golden (<i>Podocarpus totara</i> 'Aurea') | 1-13 Dublin St West, Considine & Centennial Park, Martinborough, Lot 1 DP 4545 Centennial Park | 68 |
| Ts080 | Honey locust (<i>Gleditsia</i> 'Sunburst') | 113-129 Dublin Street, Martinborough (Lot 1 DP81880) | 69 |
| Ts081 | Wych elm (<i>Ulmus glabra</i>) | 12 Weld St, Martinborough (Lot 18 Deeds Plan 24) | 69 |
| Ts085 | English oak (<i>Quercus robur</i>) | 29 Broadway Street, Martinborough (Lot 1 DP 426707) | 68 |
| Ts086 | Hard beech (<i>Fuscospora solandri</i>) | 4 Radium St, Martinborough (Lot 15 Deeds Plan 152) | 69 |
| Ts087 | Pin oak (<i>Quercus palustris</i>) | 45 Kitchener St, Martinborough (Pt Lot 1 DP 6872) | 68 |
| <u>Ts091a</u> | Himalayan oak (11) (<i>Quercus leucotrichophora</i>) | 14-16 Dublin Street, Martinborough School, Martinborough (Pt Lot 67 and 68 Deeds Plan 24) | 68 |
| Ts091b | Pin oak (<i>Quercus palustris</i>) | 14-16 Dublin Street, Martinborough School, Martinborough (Pt Lot 67 and 68 Deeds Plan 24) | 68 |
| Ts091c | Large-leaved lime (<i>Tilia platyphyllos</i>) | 14-16 Dublin Street, Martinborough School, Martinborough (Pt Lot 67 and 68 Deeds Plan 24) | 68 |
| Ts092 | Deodar cedar hedge (19) (<i>Cedrus deodara</i>) | 1-9 Princess Street, Martinborough Swimming Pool, Martinborough (Lot 660-663 DP 249) | 68 |
| Ts093 | Camden woollybutt (<i>Eucalyptus macarthurii</i>) | 45-47 Princess Street, Martinborough Vineyard, Martinborough (Lot 2 DP 82458) | 68 |
| Ts094a | Gum tree (<i>Eucalyptus</i> sp.) | 236 Haurangi Road, Patuna Farm, Ruakokopatuna, rural Martinborough (Lot 1 DP 395437) | 31 |
| Ts094b | Matai (<i>Prumnopitys taxifolia</i>) | 236 Haurangi Road, Patuna Farm, Ruakokopatuna, rural Martinborough (Lot 1 DP 395437) | 31 |
| Ts095a | Matai (<i>Prumnopitys taxifolia</i>) | 115 Ruakokopatuna Road, Martinborough (Lot 1 DP 80552) | 31 |
| Ts095b | Totara (<i>Podocarpus totara</i>) | 115 Ruakokopatuna Road, Martinborough (Lot 1 DP 80552) | 31 |
| Ts096 | English oak (<i>Quercus robur</i>) | 41-43 Dublin St, St Andrews Anglican Church, Martinborough (lots 546 and 547 DP 248) | 69 |
| Ts097a | Grey gum (<i>Eucalyptus punctata</i>) | 35 Huangarua Rd, Te Rehua, Martinborough (lots 1 and 2 DP 22269) | 69 |
| Ts097b | Canary Island palm (<i>Phoenix canariensis</i>) | 35 Huangarua Rd, Te Rehua, Martinborough (lots 1 and 2 DP 22269) | 69 |
| Ts097c | Canary Island palm (<i>Phoenix canariensis</i>) | 35 Huangarua Rd, Te Rehua, Martinborough (lots 1 and 2 DP 22269) | 69 |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name) (#)</i> | Location and Legal Description council address, (legal description) | Map Number |
|-------------------------------|--|--|-------------------|
| Ts097d | Canary Island palm (Phoenix canariensis) | 35 Huangarua Rd, Te Rehua, Martinborough (lots 1 and 2 DP 22269) | 69 |
| Ts097e | Gum tree (Eucalyptus sp.) | 35 Huangarua Rd, Te Rehua, Martinborough (lots 1 and 2 DP 22269) | 69 |
| Ts097f | Gum tree (Eucalyptus sp.) | 35 Huangarua Rd, Te Rehua, Martinborough (lots 1 and 2 DP 22269) | 69 |

Trees to be added to Combined District Plan Appendix 1.4

| Notable Tree(s) Number | Tree details common name, (botanical name) (#) | Location and Legal Description council address, (legal description) | Map Number |
|------------------------|--|---|------------|
| <u>Ts098a</u> | Perry pear (<i>Pyrus</i> sp.) | 60 Wilkie St, Kahikatea Gardens, Greytown (Lot 2 DP 85329) | 58 |
| <u>Ts098c</u> | Titoki (<i>Alectryon excelsus</i>) | 60 Wilkie St, Kahikatea Gardens, Greytown (Lot 2 DP 85329) | 58 |
| <u>Ts098d</u> | Totara (<i>Podocarpus totara</i>)(5) | 60 Wilkie St, Kahikatea Gardens, Greytown (Lot 2 DP 85329) | 58 |
| <u>Ts098e</u> | Totara (<i>Podocarpus totara</i>) | 60 Wilkie St, Kahikatea Gardens, Greytown (Lot 2 DP 85329) | 58 |
| <u>Ts098f</u> | Totara (<i>Podocarpus totara</i>) | 60 Wilkie St, Kahikatea Gardens, Greytown (Lot 2 DP 85329) | 58 |
| <u>Ts098g</u> | Titoki (<i>Alectryon excelsus</i>) | 60 Wilkie St, Kahikatea Gardens, Greytown (Lot 2 DP 85329) | 58 |
| <u>Ts098h</u> | Titoki (<i>Alectryon excelsus</i>) | 60 Wilkie St, Kahikatea Gardens, Greytown (Lot 2 DP 85329) | 58 |
| <u>Ts098i</u> | Titoki (<i>Alectryon excelsus</i>) | 60 Wilkie St, Kahikatea Gardens, Greytown (Lot 2 DP 85329) | 58 |
| <u>Ts098j</u> | Totara (<i>Podocarpus totara</i>)(10) | 60 Wilkie St, Kahikatea Gardens, Greytown (Lot 2 DP 85329) | 58 |
| <u>Ts098k</u> | Totara (<i>Podocarpus totara</i>)(12) | 60 Wilkie St, Kahikatea Gardens, Greytown (Lot 2 DP 85329) | 58 |
| <u>Ts098l</u> | Kahikatea (<i>Dacrycarpus dacrydioides</i>) | 60 Wilkie St, Kahikatea Gardens, Greytown (Lot 2 DP 85329) | 58 |
| <u>Ts099</u> | Hard beech (<i>Fuscospora solandri</i>) | 22 Mahupuku St, Greytown (Lot 4 DP 492 569) | 61 |
| <u>Ts100</u> | Horse chestnut (<i>Aesculus hippocastanum</i>) | 163 D Main St, Greytown (Lot 3 DP 429753) | 60 |
| <u>Ts101</u> | Sycamore (<i>Acer pseudoplatanus</i>) | 11 Memorial Square, Martinborough (Lot 368 DP 248) | 68 |
| <u>Ts102</u> | Totara (<i>Podocarpus totara</i>)/ kahikatea (<i>Dacrycarpus dacrydioides</i>) | 2466 SH2, Greytown (Lot 3 DP 391939) | 58 |
| <u>Ts103</u> | Totara (<i>Podocarpus totara</i>) | 174 Kuratawhiti Street, Greytown (Lot 1 DP 19959) | 58 |
| <u>Ts104</u> | Common ash (<i>Fraxinus excelsior</i>) | 45 Kempton Street, Greytown (Lot 5 65594) | 60 |
| <u>Ts105a</u> | Totara (<i>Podocarpus totara</i>) | 209 Kuratawhiti Street, Greytown (Lot 1 DP 26094) | 59 |
| <u>Ts105b</u> | Totara (<i>Podocarpus totara</i>) | 209 Kuratawhiti Street, Greytown (Lot 1 DP 26094) | 59 |
| <u>Ts105c</u> | Totara (<i>Podocarpus totara</i>) | 209 Kuratawhiti Street, Greytown (Lot 1 DP 26094) | 59 |
| <u>Ts106</u> | English oak (<i>Quercus robur</i>) | 6 Westwood Ave, Greytown (Lot 2 DP 44064) | 60 |
| <u>Ts107</u> | English oak (<i>Quercus robur</i>) (5) | 21 Wood St, Greytown (Lot 2 DP 459259) | 59 |
| <u>Ts108</u> | Liquidambar (<i>Liquidamber styraciflua</i>) | 174 Main Street, (Part Section 68 TN OF Greytown) | 60 |
| <u>Ts109a</u> | Canary Island palm (<i>Phoenix canariensis</i>) | 193 East Street, Greytown (Lot 6 DP 461648) | 60 |
| <u>Ts109b</u> | Canary Island palm (<i>Phoenix canariensis</i>) | 193 East Street, Greytown (Lot 6 DP 461648) | 60 |
| <u>Ts110</u> | Coastal redwood (<i>Sequoia sempervirens</i>) | 53 Udy Street, Greytown (Lot 14 DP 82671) | 59 |

| | | | |
|---------------|--|---|----|
| <u>Ts111</u> | Pin oak (<i>Quercus palustris</i>) (11) | 85-91 Main Street, Greytown (Lots 1-3, 14 & 15 DEEDS 271) | 59 |
| <u>Ts112</u> | English oak (<i>Quercus robur</i>) | 31 Kempton Street, Greytown (Lot 2 DP 57466) | 60 |
| <u>Ts113</u> | Totara (<i>Podocarpus totara</i>) | 192 Kuratawhiti Street, Greytown (Lot 5 DP 91347) | 59 |
| <u>Ts114</u> | Coastal redwood (<i>Sequoia sempervirens</i>) | 49 Wood Street Greytown (Lot 1 DP 19213) | 59 |
| <u>Ts115</u> | Kahikatea (<i>Dacrydium dacrydioides</i>) | 60 Wilkie St, Opposite, Greytown Road reserve | 58 |
| <u>Ts116</u> | Totara (<i>Podocarpus totara</i>) | 32 Humphries St, Greytown (Lot 1 DP 21677) | 60 |
| <u>Ts117a</u> | Totara (<i>Podocarpus totara</i>) | 93 Kuratawhiti St, Greytown (Lot 3 DP 501795) | 59 |
| <u>Ts117b</u> | Lawson cypress (<i>Chamaecyparis lawsoniana</i>) | 93 Kuratawhiti St, Greytown (Lot 3 DP 501795) | 59 |
| <u>Ts117c</u> | Coastal redwood (<i>Sequoia sempervirens</i>) | 93 Kuratawhiti St, Greytown (Lot 3 DP 501795) | 59 |
| <u>Ts117d</u> | Mexican cypress (<i>Cupressus lusitanica</i>) | 93 Kuratawhiti St, Greytown (Lot 3 DP 501795) | 59 |

Trees proposed to be removed from Appendix 1.4

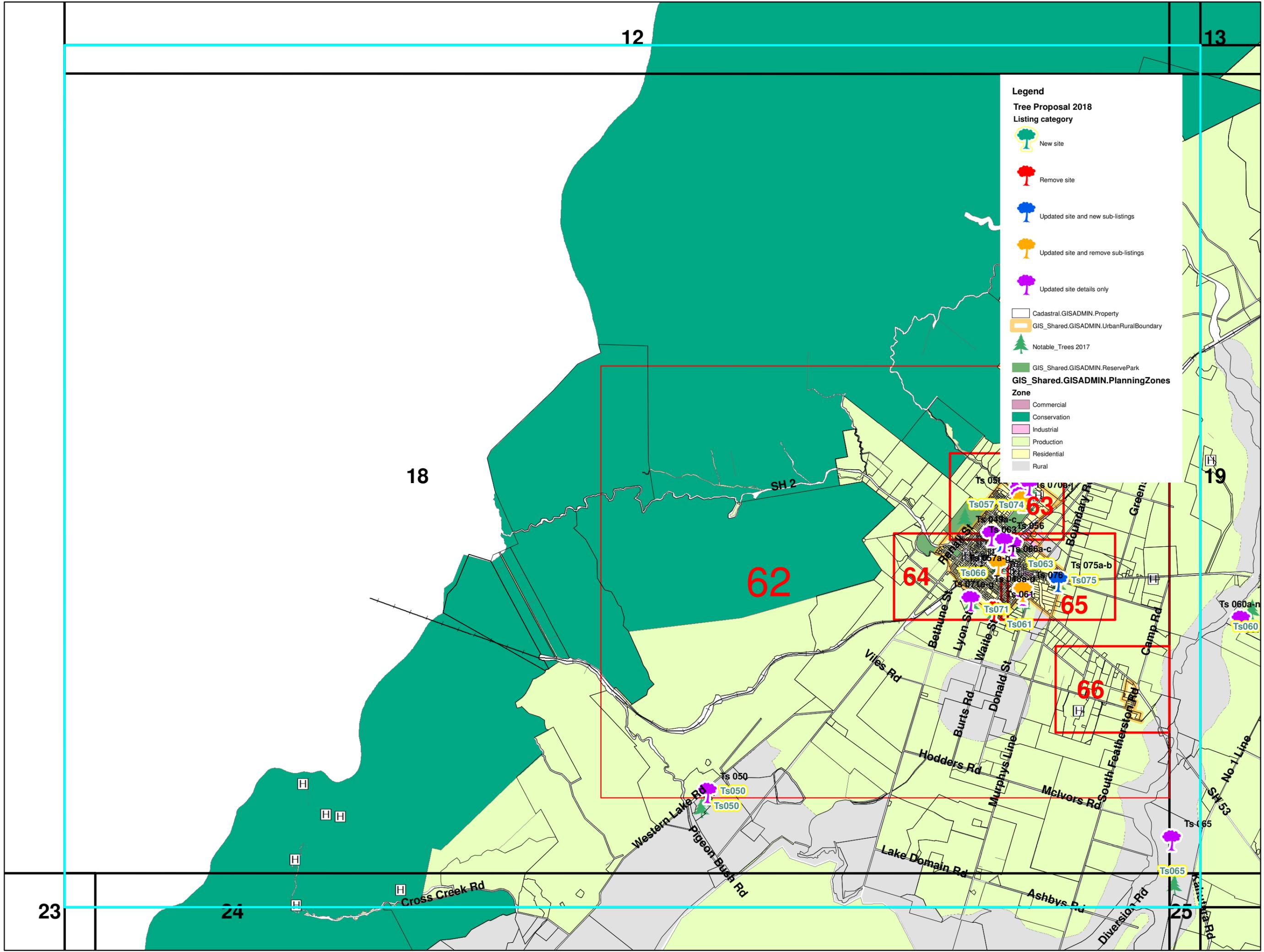
| Notable Tree(s) Number | Tree details <i>common name, (botanical name)</i> | Location and Legal Description council address, (legal description) | Map No. | Comment |
|------------------------|--|--|---------|---|
| Ts001 | Common Ash (<i>Fraxinus excelsior</i>) | 17B Jellicoe Street, Greytown (Lot 3 DP 71160) | 59 | No tree present |
| Ts001 | Liquidambar (<i>Liquidamber styraciflua</i>) | 17 Jellicoe Street, Greytown (Lot 1 DP71160) | 59 | No tree present |
| Ts006 | Bunya bunya (<i>Araucaria bidwillii</i>) | 200 Main Street, Greytown (Lot 1 DP 719) | | Significant buttress rot and chlorotic canopy - indicating irreversible decline. Resource consent granted for removal. |
| Ts012 | Totara (<i>Podocarpus totara</i>) | 16 Main Street, Greytown (Part Sec 8 Town of Greytown) | 59 | No tree present |
| Ts012 | Evergreen magnolia (<i>Magnolia grandiflora</i>) | 16 Main Street, Greytown (Part Sec 8 Town of Greytown) | 59 | No tree present |
| Ts018 | Eucalyptus | 15B Udy Street, Greytown (Lot 2 DP 308336) | 59 | No tree present |
| Ts022 | Lime (<i>Tilia x europaea</i>) | 206 Main Street, Greytown (Lot 4 DP 1213) | 60 | No tree present |
| Ts024 | <i>Quercus palustris</i> (last tree R side of Ave) | Cnr of Hospital Grounds, East Street, Greytown (Lot 1 DP 405286 90535) | 60 | Located at the wrong address, tree stands as part of an avenue of American oaks which are heritage (Hs11), so this tree has been added to that listing. |
| Ts024 | <i>Picea</i> sp (Buchanan Wing), | Hospital Grounds, East Street, Greytown (Lot 1 DP 90535) | 60 | No tree present |
| Ts025 | <i>Fraxinus excelsior</i> | 188 Main Road, Greytown (Lot 1 DP 342812) | 60 | No tree present |
| Ts035 | Mountain ash (<i>Eucalyptus regnans</i>) | Greytown Primary School, East Street, Greytown (Part Sec 31 Greytown Belt) | 61 | Removed |
| Ts035 | Mountain ash (<i>Eucalyptus regnans</i>) | Greytown Primary School, East Street, Greytown (Part Sec 31 Greytown Belt) | 61 | No tree present |
| Ts035 | Mountain ash (<i>Eucalyptus regnans</i>) | Greytown Primary School, East Street, Greytown (Part Sec 31 Greytown Belt) | 61 | No tree present |
| Ts039 | <i>Quercus robur</i> | 54 Wood Street, Greytown (Lot 1 DP 32333) | 59 | No tree present |

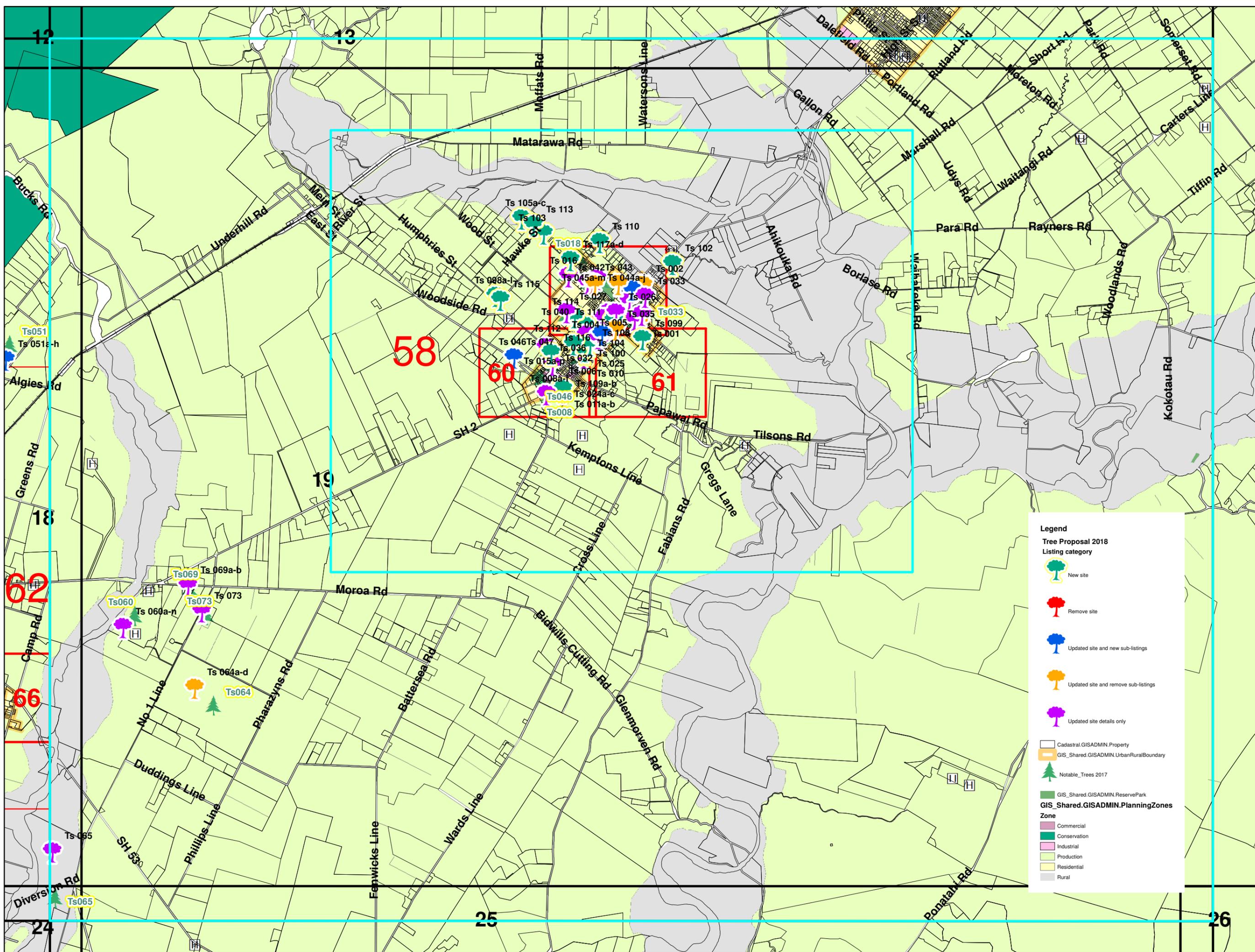
| Notable Tree(s) Number | Tree details <i>common name, (botanical name)</i> | Location and Legal Description council address, (legal description) | Map No. | Comment |
|-------------------------------|--|--|----------------|---|
| Ts041 | Quercus robur | 76B West Street, Greytown (Lot 2 DP 70711) | 59 | No tree present |
| Ts043 | Fagus sylvatica purpurea | 46 Kuratawhiti Street, Greytown (Part Sec 5 of Greytown Small Farm Settlement) | 59 | Removed |
| Ts044 | Horse chestnut (Aesculus hippocastanum) | 40 Kuratawhiti Street, Greytown (Lot 1 DP 83851) | 59 | Fails to meet threshold |
| Ts053 | Eucalyptus obliqua | Wairongomai, Western Lake Road (Part Sec 19 Western Lake District SO 10683) | 23 | No tree found |
| Ts055 | Giant sequoia (Sequoiadendron giganteum) | Pihautea, 693A Kahutara Road (Lot 1 DP 423275) | 25 | Not worthy of protection, heavy decline, almost dead standing |
| Ts056 | Silver birch (Betula pendula) | Johnston Street, Featherston (Lot 1 DP 11388) | 64, 68 | Not worthy of protection, short lived species, approaching useful life expectancy |
| Ts056 | Silver birch (Betula pendula) | Johnston Street, Featherston (Lot 1 DP 11388) | 64, 69 | Removed |
| Ts056 | Silver birch (Betula pendula) | Johnston Street, Featherston (Lot 1 DP 11388) | 64, 70 | Removed |
| Ts061 | Tasmanian bluegum (Eucalyptus globulus) | 70a Woodward Street, Featherston (Lot 2 DP 65386) | 64 | |
| Ts062 | Eucalyptus camaldulensis | Otahuna, 1027A Kahutara Road, Featherston (Lot 2 DP 91007) | 24 | Removed |
| Ts062 | Eucalyptus pulchella | Otahuna, 1027A Kahutara Road, Featherston (Lot 2 DP 91007) | 24 | Removed |
| Ts062 | Eucalyptus pulchella | Otahuna, 1027A Kahutara Road, Featherston (Lot 2 DP 91007) | 24 | Removed |
| Ts062 | Fagus sylvatica | Otahuna, 1027A Kahutara Road, Featherston (Lot 2 DP 91007) | 24 | Removed |
| Ts062 | Eucalyptus camaldulensis | Otahuna, 1027A Kahutara Road, Featherston (Lot 2 DP 91007) | 24 | Dead |
| Ts066 | Elm (Ulmus sp) (2) | Langs Pharmacy, 54 Fitzherbert Street, Featherston (Lot 6 Deeds Plan 134) | 64 | Not worthy of protection, heavily sided, number of structural issues, considerable seasonal nuisance (new development taking place adjacent to trees in neighbouring property (shading, encroachment, suckering)) |
| Ts068 | Fagus sylvatica | Tahora, 925 Kahutara Road, Featherston (Lot 2 DP 4854) | 24 | Not worthy of protection, small stunted specimen no historic reason for protection, located in a very remote location away from any public view, landowners oppose tree protection. |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name)</i> | Location and Legal Description council address, (legal description) | Map No. | Comment |
|-------------------------------|--|--|----------------|--|
| Ts068 | Quercus robur | Tahora, 925 Kahutara Road, Featherston (Lot 2 DP 4854) | 24 | Not worthy of protection, medium sized specimen no historic reason for protection, located in a very remote location away from any public view, landowners oppose protection. |
| Ts068 | Quercus robur | Tahora, 925 Kahutara Road, Featherston (Lot 2 DP 4854) | 24 | Not worthy of protection, medium sized specimen no historic reason for protection, located in a very remote location away from any public view, landowners oppose protection. |
| Ts068 | Ulmus sp | Tahora, 925 Kahutara Road, Featherston (Lot 2 DP 4854) | 24 | Not worthy of protection, small sized specimen no historic reason for protection, located in a very remote location away from any public view, landowners oppose protection. |
| Ts068 | Tilia x europaea | Tahora, 925 Kahutara Road, Featherston (Lot 2 DP 4854) | 24 | Not worthy of protection, small sized specimen no historic reason for protection, located in a very remote location away from any public view, landowners oppose tree protection. |
| Ts068 | Acer palmatum | Tahora, 925 Kahutara Road, Featherston (Lot 2 DP 4854) | 24 | Not worthy of protection, structurally compromised specimen no historic reason for protection, located in a very remote location away from any public view, landowners oppose tree protection. |
| Ts068 | Sequoia sempervirens | Tahora, 925 Kahutara Road, Featherston (Lot 2 DP 4854) | 24 | Not worthy of protection, medium sized specimen in poor health with no historic reason for protection, located in a very remote location away from any public view, landowners oppose tree protection. |
| Ts070 | Eucalyptus pulchella | 75 Johnston street, Featherston Underhill Road Character Area, Underhill Road, Featherston (Sec 95 & Pt Sec 102 Featherston Suburban SO 10563) | 63 | Not worthy of protection, suppressed small canopy, moderate form adjacent to building. |

| Notable Tree(s) Number | Tree details <i>common name, (botanical name)</i> | Location and Legal Description council address, (legal description) | Map No. | Comment |
|-------------------------------|---|--|----------------|--|
| Ts070 | Beech (<i>Fagus sylvatica</i>) | 75 Johnston street, Featherston Underhill Road Character Area, Underhill Road, Featherston (Sec 95 & Pt Sec 102 Featherston Suburban SO 10563) | 63 | Not worthy of protection, decay on upper side of most of the limbs, low vigour |
| Ts070 | <i>Ulmus</i> sp. | 75 Johnston street, Featherston Underhill Road Character Area, Underhill Road, Featherston (Sec 95 & Pt Sec 102 Featherston Suburban SO 10563) | 63 | Not worthy of protection, invasive nature, sucker growth through re-establishing bush margin |
| Ts070 | <i>Quercus cerris</i> | 75 Johnston street, Featherston Underhill Road Character Area, Underhill Road, Featherston (Sec 95 & Pt Sec 102 Featherston Suburban SO 10563) | 63 | Not worthy of protection, significant stem failure |
| Ts070 | <i>Castanea sativa</i> | 75 Johnston street, Featherston Underhill Road Character Area, Underhill Road, Featherston (Sec 95 & Pt Sec 102 Featherston Suburban SO 10563) | 63 | Not worthy of protection, coppiced specimen |
| Ts070 | <i>Pinus radiata</i> | 75 Johnston street, Featherston Underhill Road Character Area, Underhill Road, Featherston (Sec 95 & Pt Sec 102 Featherston Suburban SO 10563) | 63 | Located in a protective native area delist due to invasive habit - seed dispersal into protected bush area |
| Ts075 | Chinese windmil palm (<i>Trachycarpus fortunei</i>) | 160 Fitzherbert Street, Featherston (Lot 1 DP 50757) | | Not worthy of protection, small specimen of no notable value |
| Ts076 | <i>Magnolia grandiflora</i> | 29 Waite Street, Featherston (Lot 1DP 83371) | 65 | Removed |
| Ts079 | Common walnut (<i>Juglans regia</i>) & Pin Oak (<i>Quercus palustris</i>) | 10 Daniel St, Martinborough (LOT 12 D P 2042) | 69 | |
| Ts082 | Common walnut (<i>Juglans regia</i>) and ginkgo (<i>Ginkgo biloba</i>) | 20 Roberts Street, Martinborough (Lot 4 DP 414627) | 69 | Walnut almost dead, Ginko removed |
| Ts083 | Common walnut (<i>Juglans regia</i>) | 17 Suez St, Martinborough (Lot 290 DP 248) | 69,70 | |
| Ts084 | Common walnut (<i>Juglans regia</i>) | 18 Weld Street, Martinborough (lot 1 DP 434612) | 69 | |
| Ts085 | Peruvian peppercorn tree (<i>Schinus molle</i>) | 29 Broadway Street, Martinborough (Lot 1 DP 426707) | 68 | Removed |
| Ts088 | <i>Eucalyptus</i> sp. | Kitchener Street, Martinborough (Lot 1 DP 304500) | 68 | Removed |
| Ts089 | Karaka (<i>Corynocarpus laevigatus</i>) | 54 Jellicoe St, Martinborough (lot 552 DP 28) | 69 | |
| Ts090 | Pin oak (<i>Quercus palustris</i>) | 7 Strasbourge St, Martinborough (Lot 107 DP 248) | 68 | |

**Appendix 2 - Proposed
Notable Tree register data –
Planning Maps (4 December
2018)**





Legend

Tree Proposal 2018
Listing category

- New site
- Remove site
- Updated site and new sub-listings
- Updated site and remove sub-listings
- Updated site details only

Cadastral.GISADMIN.Property

GIS_Shared.GISADMIN.UrbanRuralBoundary

Notable_Trees 2017

GIS_Shared.GISADMIN.ReservePark

GIS_Shared.GISADMIN.PlanningZones

Zone

- Commercial
- Conservation
- Industrial
- Production
- Residential
- Rural

Legend

Tree Proposal 2018

Listing category



New site



Remove site



Updated site and new sub-listings



Updated site and remove sub-listings



Updated site details only



Cadastral.GISADMIN.Property



GIS_Shared.GISADMIN.UrbanRuralBoundary



Notable_Trees 2017



GIS_Shared.GISADMIN.ReservePark

GIS_Shared.GISADMIN.PlanningZones

Zone



Commercial



Conservation



Industrial



Production



Residential



Rural

23

24

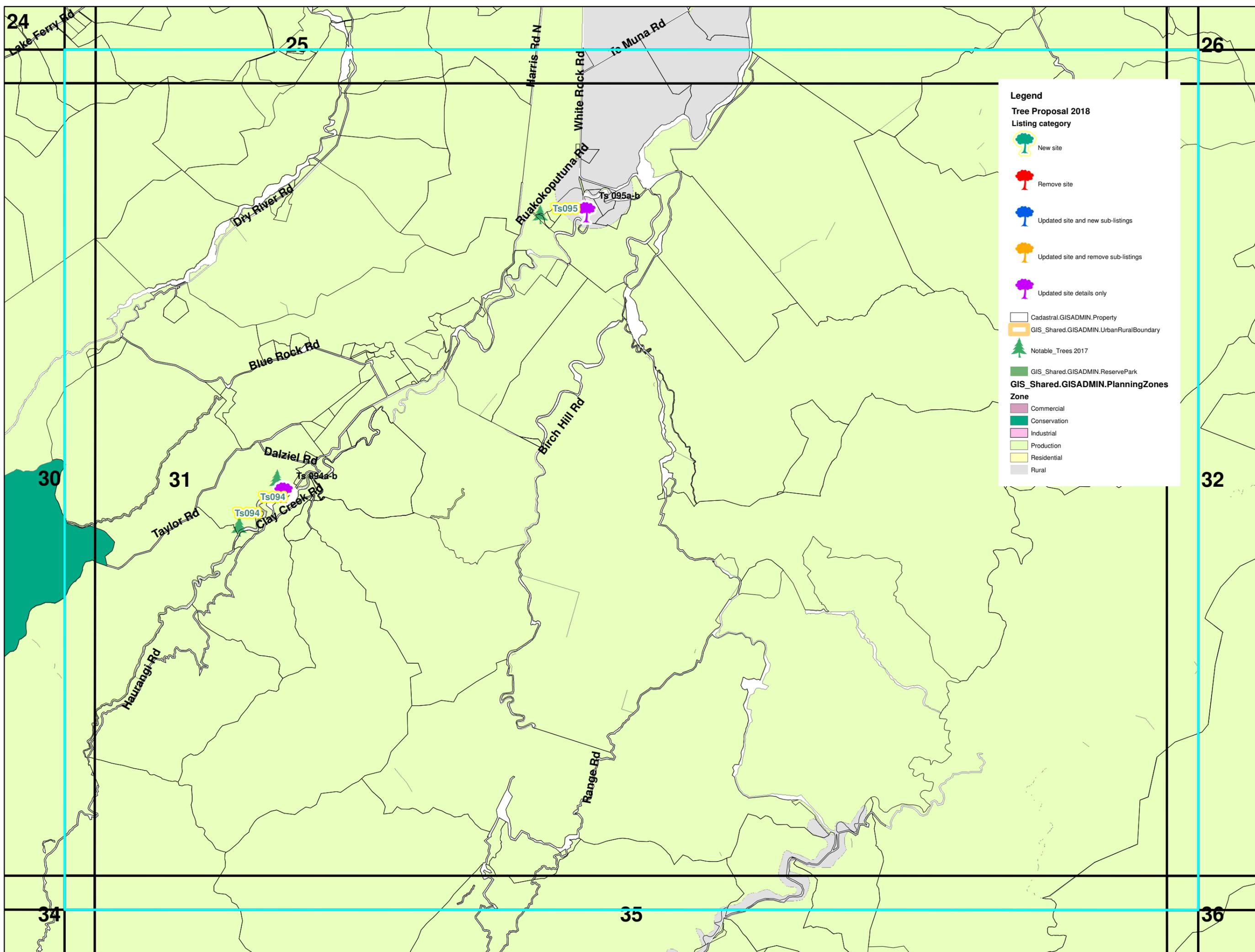
29

30

18

Ts054a-h
Ts054
Ts053
Ts053a-c
Western Lake Rd





Legend

Tree Proposal 2018 Listing category

-  New site
-  Remove site
-  Updated site and new sub-listings
-  Updated site and remove sub-listings
-  Updated site details only

 Cadastral.GISADMIN.Property

 GIS_Shared.GISADMIN.UrbanRuralBoundary

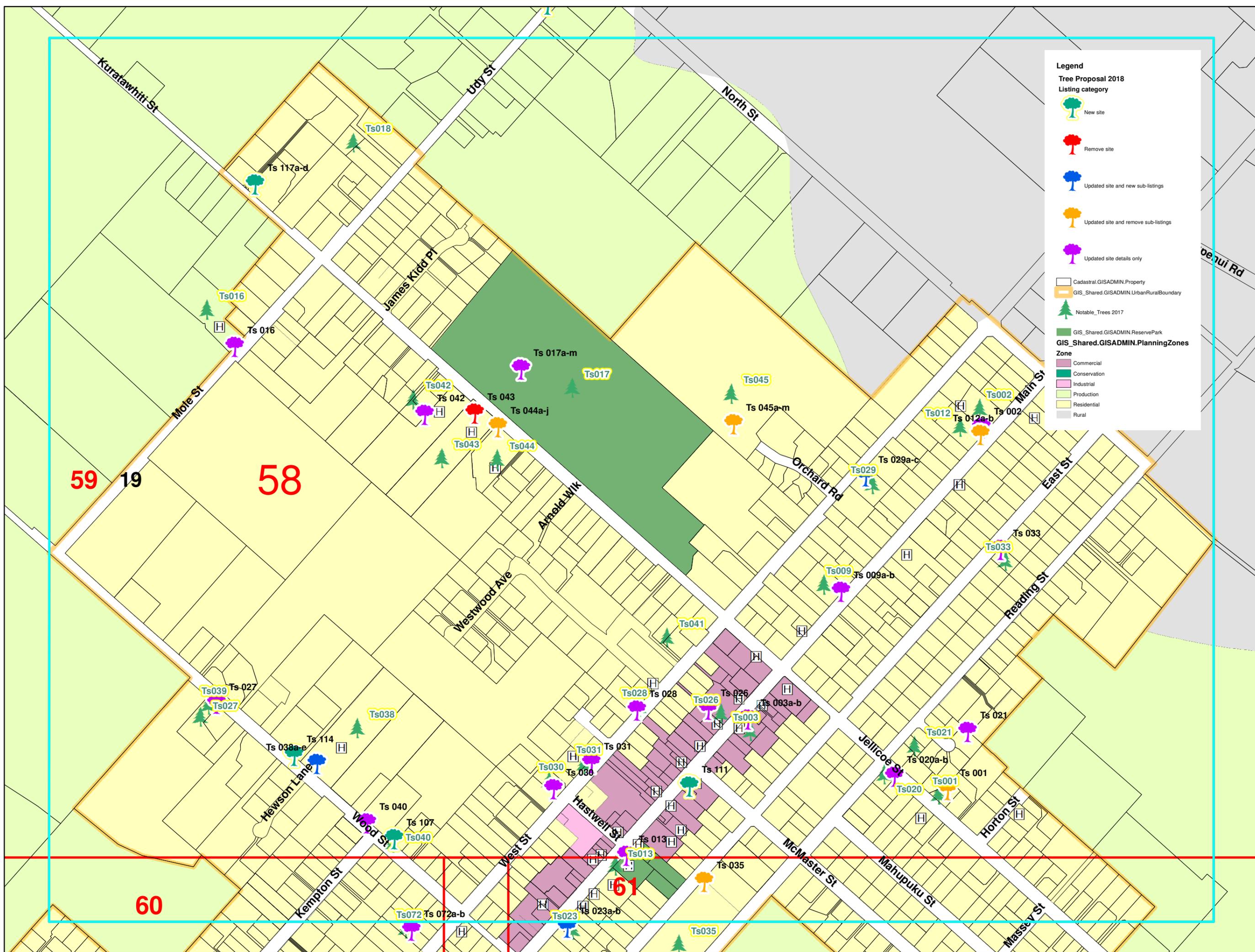
 Notable_Trees 2017

 GIS_Shared.GISADMIN.ReservePark

GIS_Shared.GISADMIN.PlanningZones

Zone

-  Commercial
-  Conservation
-  Industrial
-  Production
-  Residential
-  Rural



Legend

Tree Proposal 2018
Listing category

- New site
- Remove site
- Updated site and new sub-listings
- Updated site and remove sub-listings
- Updated site details only

Cadastral.GISADMIN.Property

GIS_Shared.GISADMIN.UrbanRuralBoundary

Notable_Trees 2017

GIS_Shared.GISADMIN.ReservePark

GIS_Shared.GISADMIN.PlanningZones

Zone

- Commercial
- Conservation
- Industrial
- Production
- Residential
- Rural

Legend

Tree Proposal 2018

Listing category

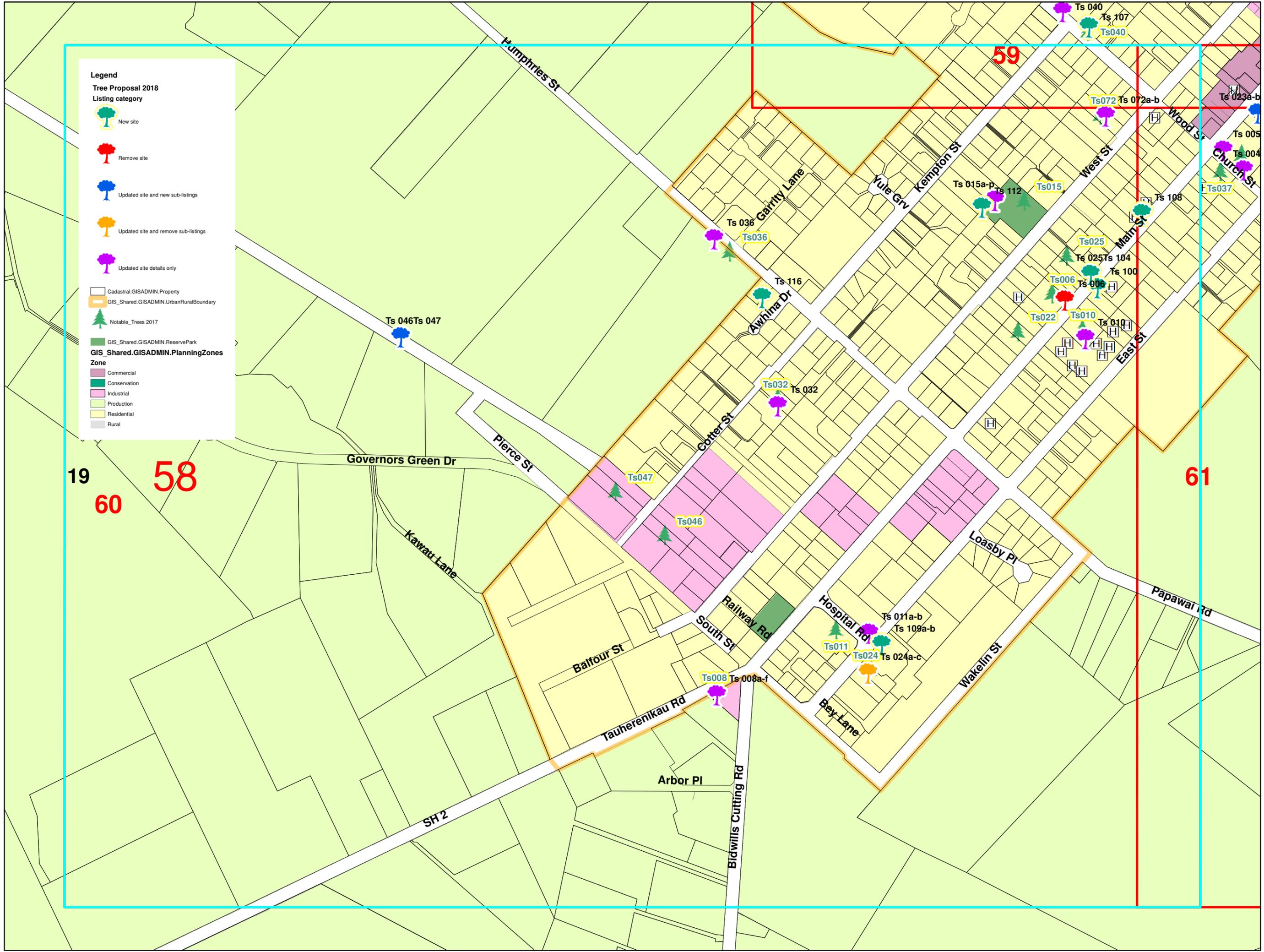
-  New site
-  Remove site
-  Updated site and new sub-listings
-  Updated site and remove sub-listings
-  Updated site details only

-  Cadastral.GISADMIN.Property
-  GIS_Shared.GISADMIN.UrbanRuralBoundary
-  Notable_Trees 2017

GIS_Shared.GISADMIN.ReservePark

GIS_Shared.GISADMIN.PlanningZones

- Zone**
-  Commercial
 -  Conservation
 -  Industrial
 -  Production
 -  Residential
 -  Rural



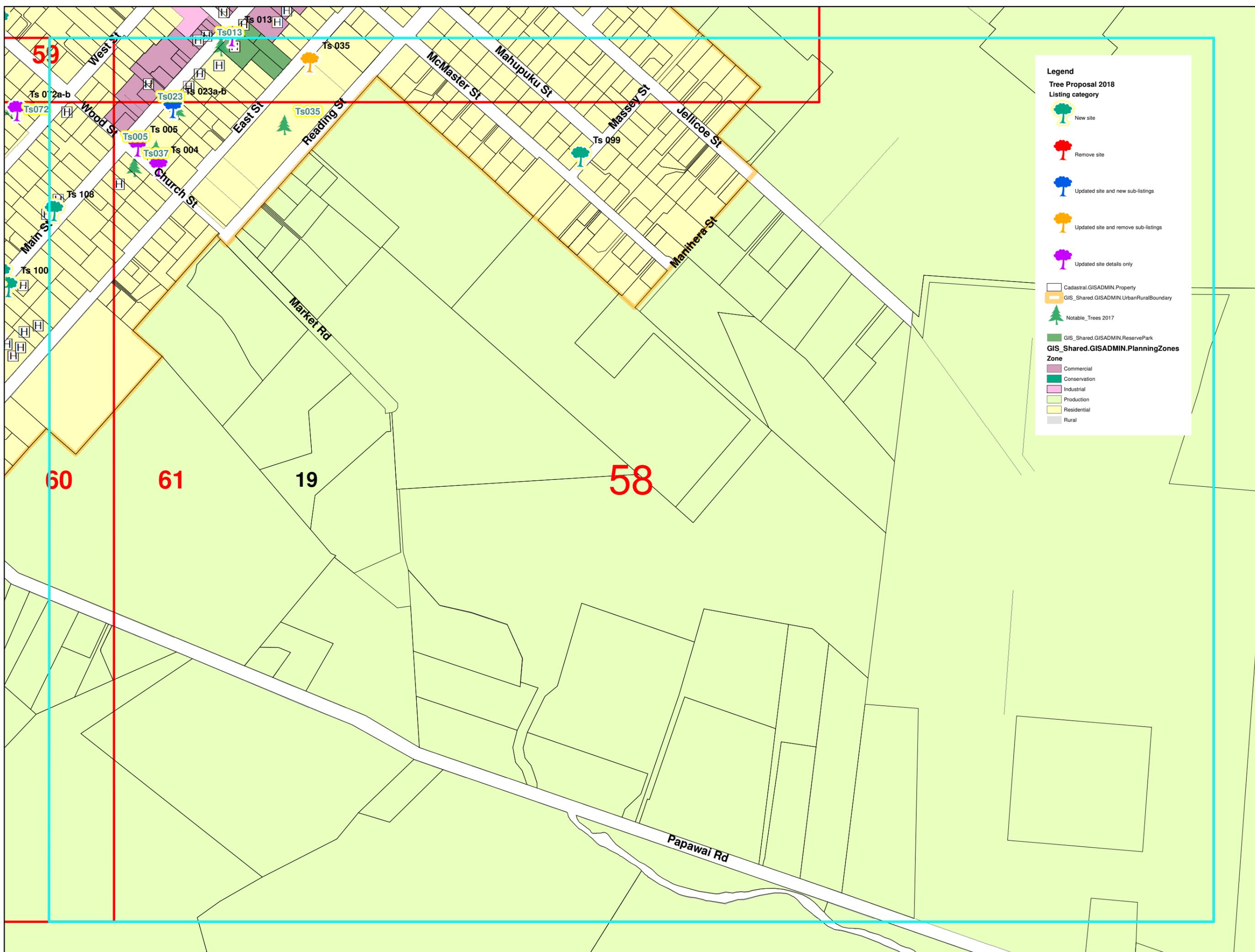
19

58

60

59

61



Legend

Tree Proposal 2018

Listing category

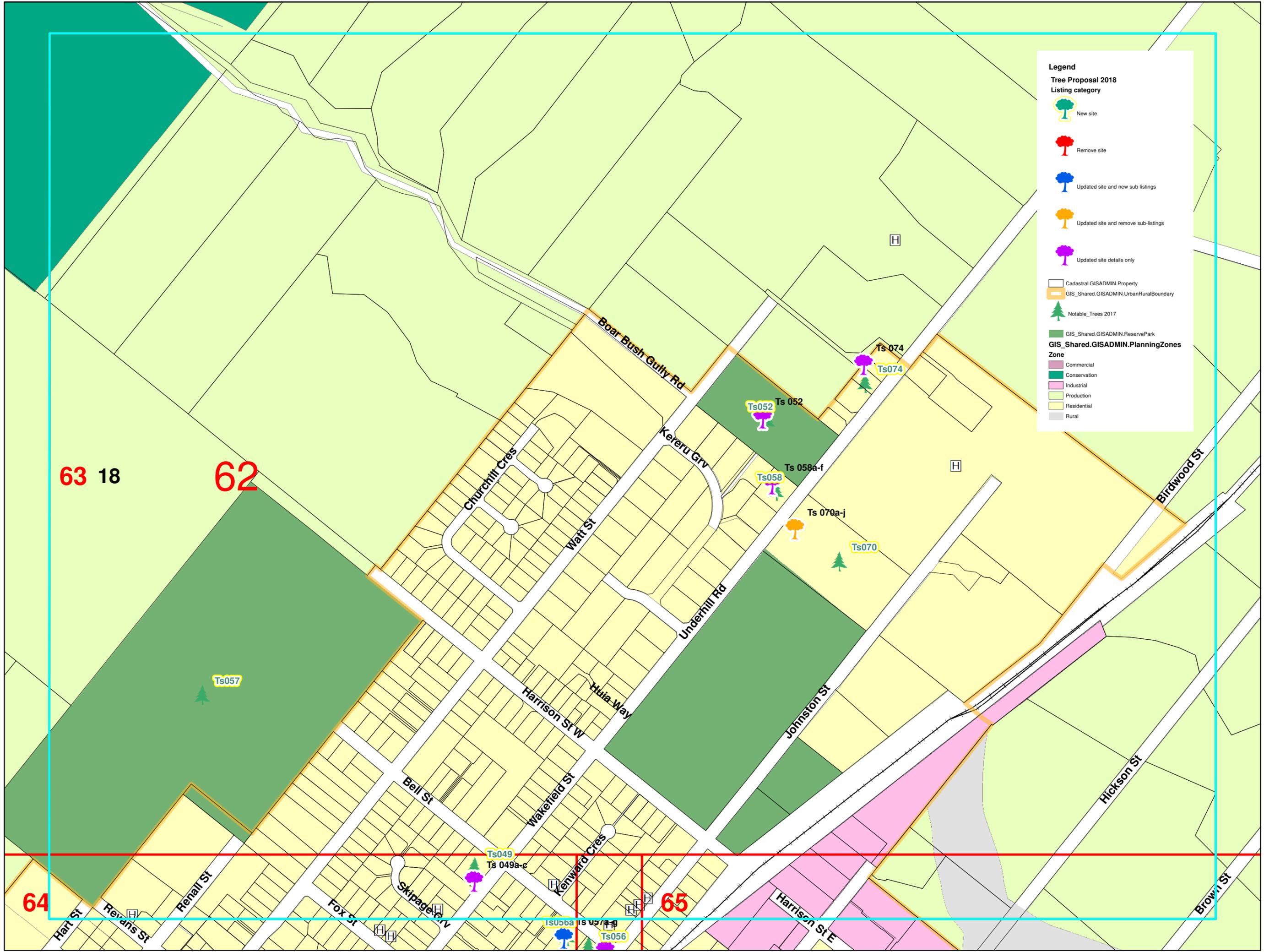
- New site
- Remove site
- Updated site and new sub-listings
- Updated site and remove sub-listings
- Updated site details only

- Cadastral.GISADMIN.Property
- GIS_Shared.GISADMIN.UrbanRuralBoundary
- Notable_Trees 2017
- GIS_Shared.GISADMIN.ReservePark

GIS_Shared.GISADMIN.PlanningZones

Zone

- Commercial
- Conservation
- Industrial
- Production
- Residential
- Rural



Legend

Tree Proposal 2018 Listing category

- New site
- Remove site
- Updated site and new sub-listings
- Updated site and remove sub-listings
- Updated site details only

Cadastral.GISADMIN.Property

GIS_Shared.GISADMIN.UrbanRuralBoundary

Notable_Trees 2017

GIS_Shared.GISADMIN.ReservePark

GIS_Shared.GISADMIN.PlanningZones

Zone

- Commercial
- Conservation
- Industrial
- Production
- Residential
- Rural

63 18

62

64

65

Churchill Cres

Watt St

Underhill Rd

Harrison St W

Huia Way

Bell St

Wakefield St

Kenward Cres

Fox St

Skipage Gwy

IS056a IS057a

Ts056

Boar Bush Gully Rd

Kereru Gwy

Johnston St

Birdwood St

Hickson St

Brown St

H

H

Ts 074

Ts074

Ts052

Ts058

Ts 058a-f

Ts 070a-j

Ts070

Ts057

Ts049

Ts 049a-c

Revan's St

Renall St

Harrison St E

Legend

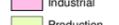
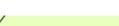
Tree Proposal 2018
Listing category

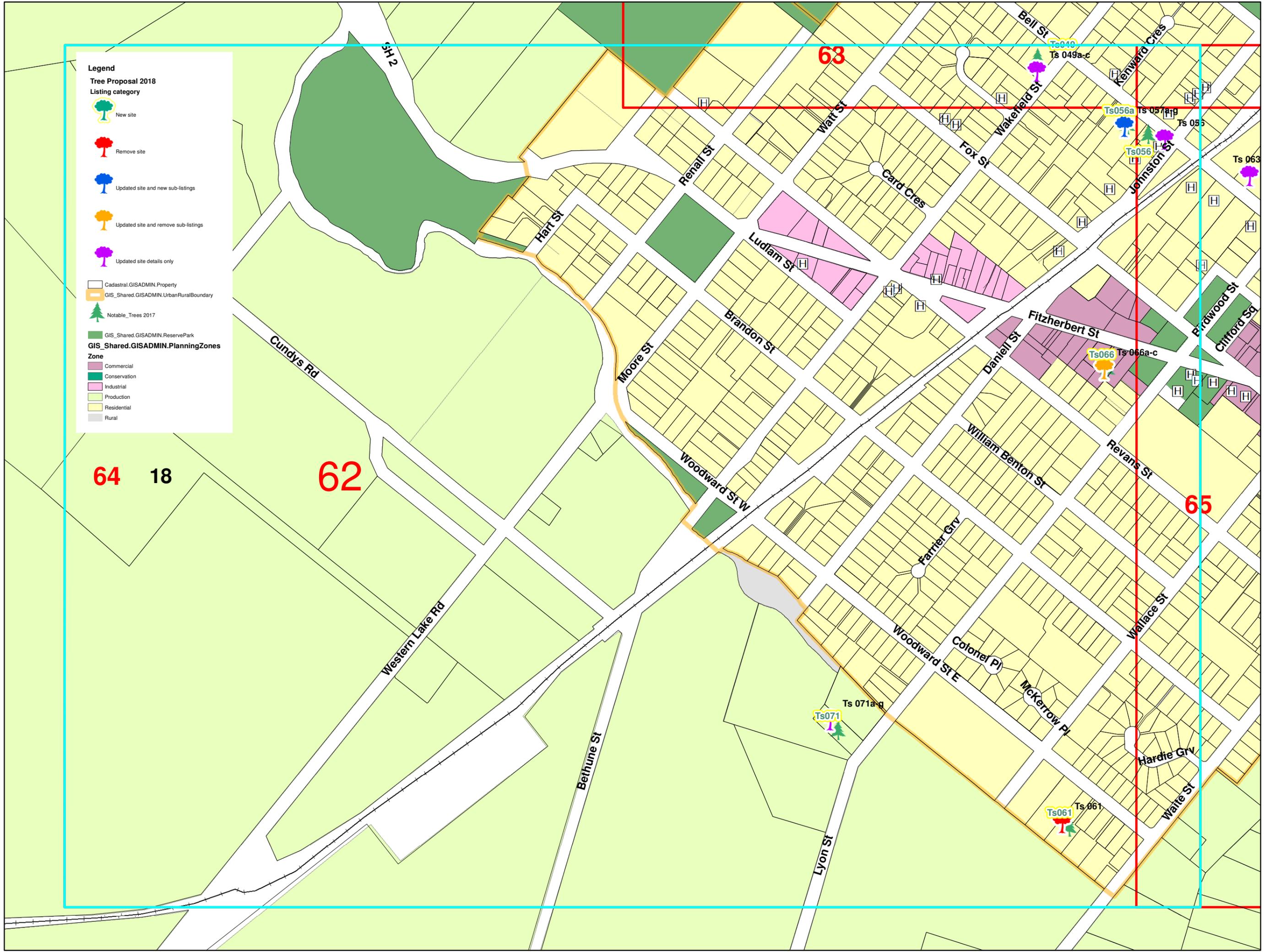
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-  Remove site
-  Updated site and new sub-listings
-  Updated site and remove sub-listings
-  Updated site details only

-  Cadastral.GISADMIN.Property
-  GIS_Shared.GISADMIN.UrbanRuralBoundary

-  Notable_Trees 2017

GIS_Shared.GISADMIN.PlanningZones

- Zone**
-  Commercial
 -  Conservation
 -  Industrial
 -  Production
 -  Residential
 -  Rural

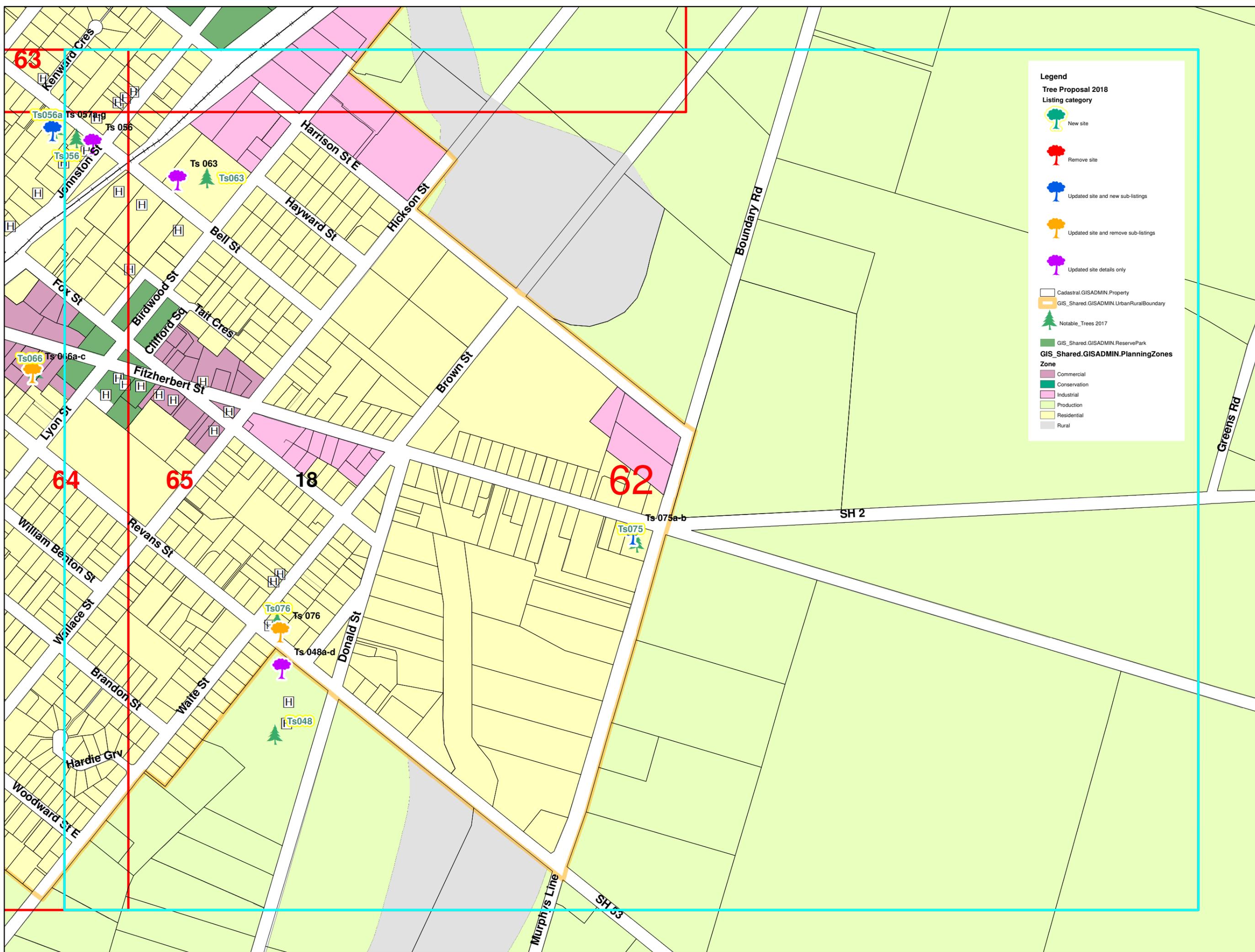


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Legend

Tree Proposal 2018

Listing category

-  New site
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-  Updated site and new sub-listings
-  Updated site and remove sub-listings
-  Updated site details only

 Cadastral.GISADMIN.Property

 GIS_Shared.GISADMIN.UrbanRuralBoundary

 Notable_Trees 2017

 GIS_Shared.GISADMIN.ReservePark

GIS_Shared.GISADMIN.PlanningZones

Zone

-  Commercial
-  Conservation
-  Industrial
-  Production
-  Residential
-  Rural

Johns Way

Legend

Tree Proposal 2018

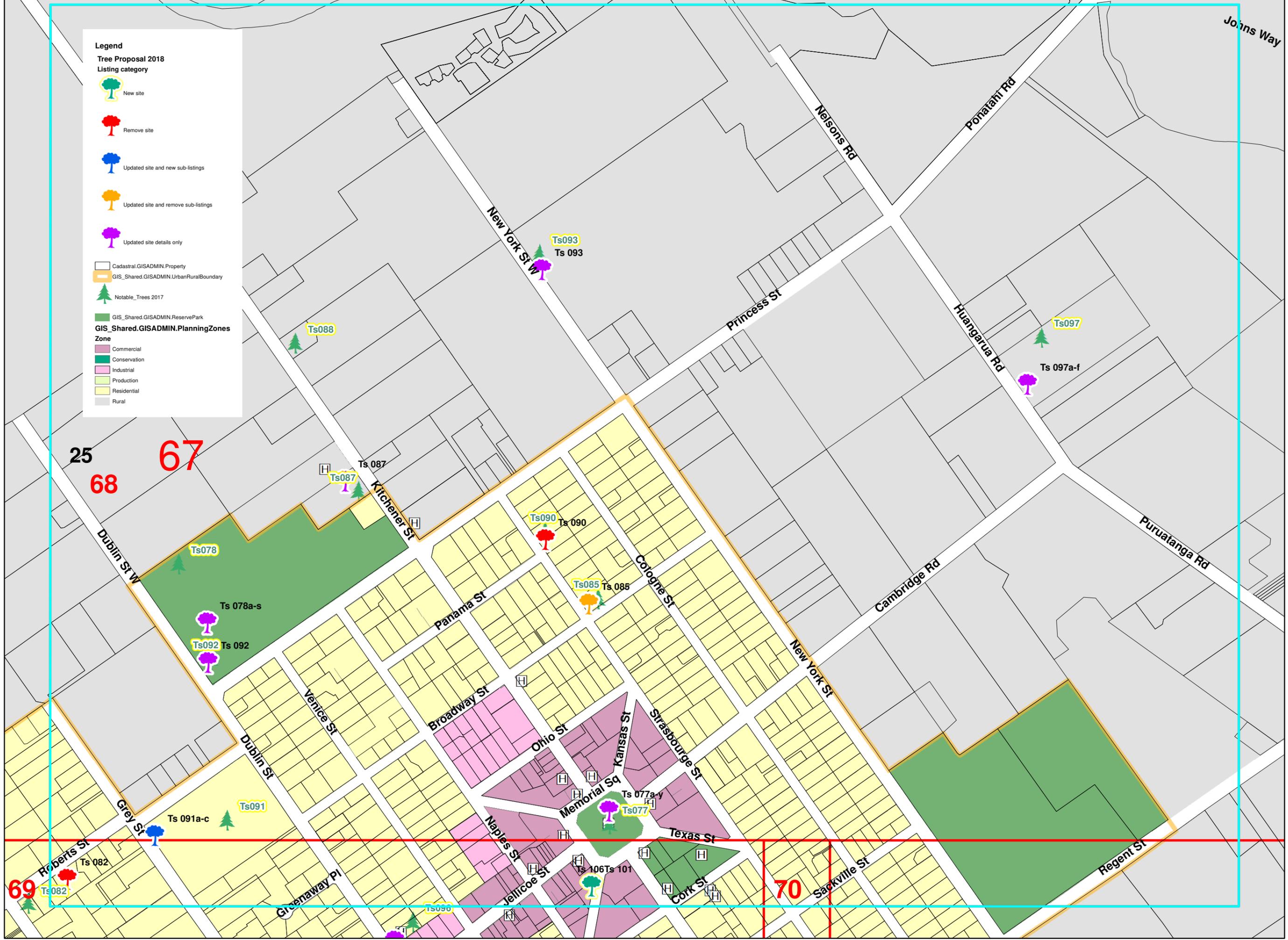
Listing category

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-  Updated site and new sub-listings
-  Updated site and remove sub-listings
-  Updated site details only

-  Cadastral.GISADMIN.Property
-  GIS_Shared.GISADMIN.UrbanRuralBoundary
-  Notable_Trees 2017

GIS_Shared.GISADMIN.PlanningZones

- Zone
-  Commercial
 -  Conservation
 -  Industrial
 -  Production
 -  Residential
 -  Rural



25
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Legend

Tree Proposal 2018
Listing category

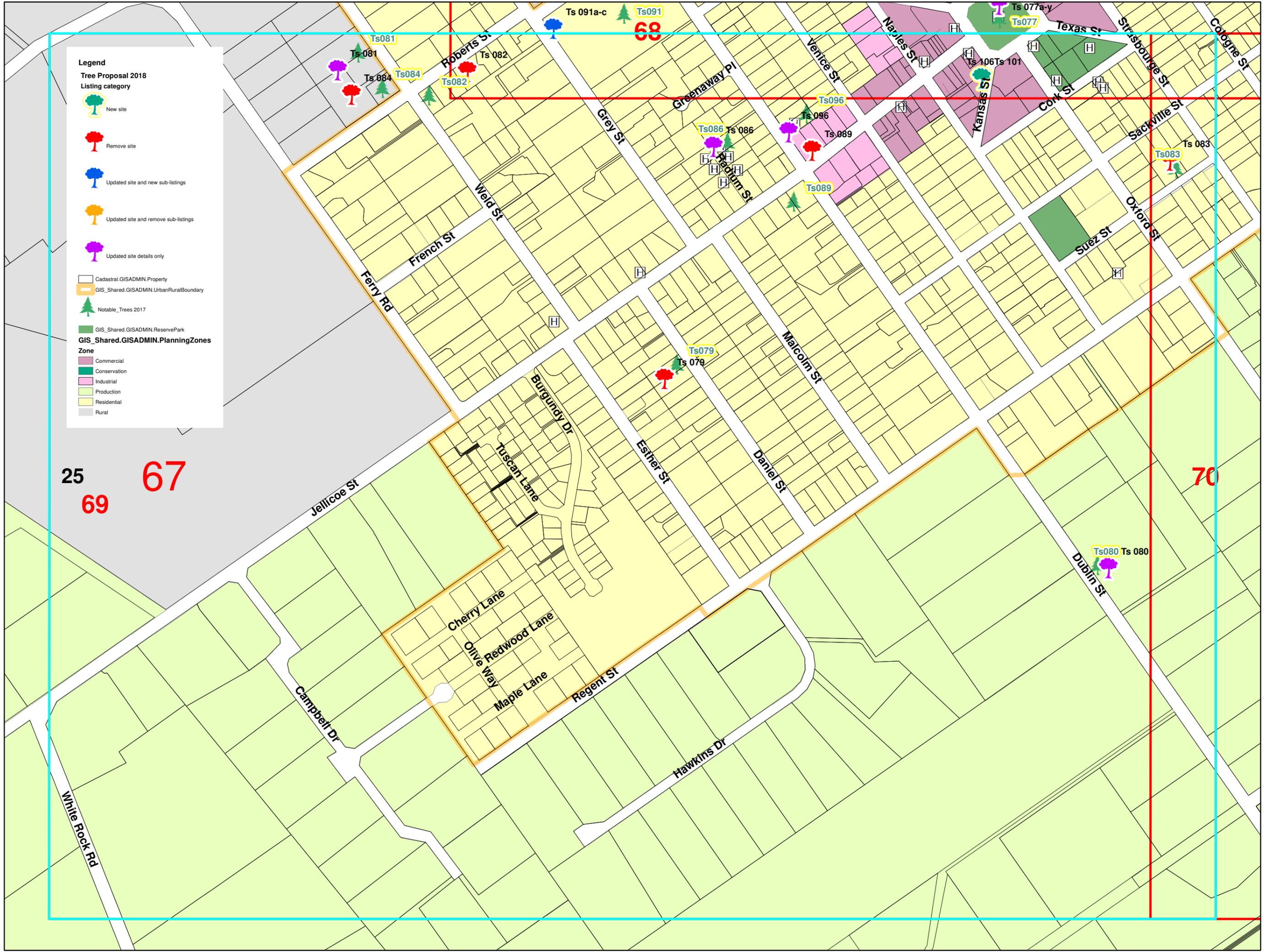
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-  Updated site and new sub-listings
-  Updated site and remove sub-listings
-  Updated site details only

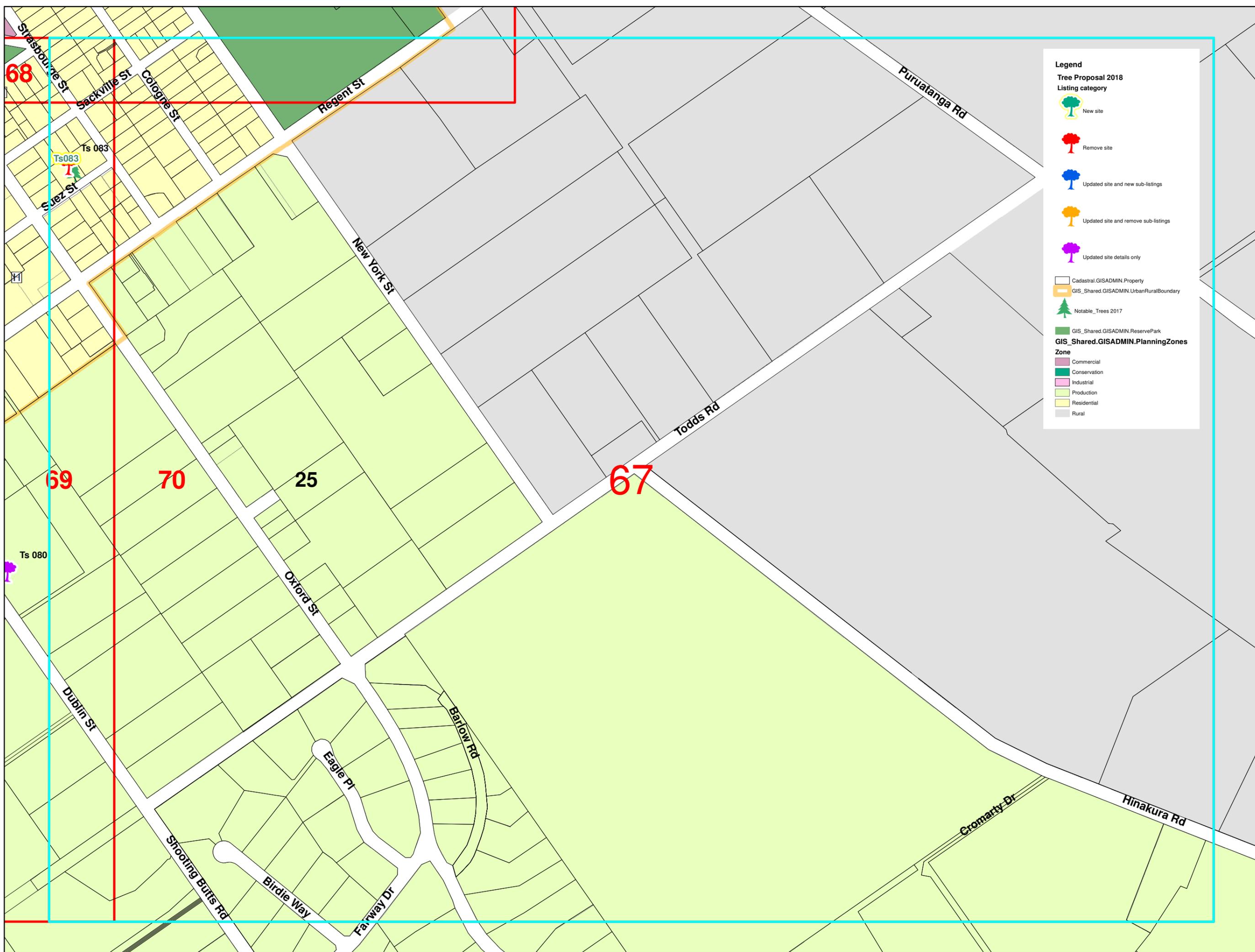
-  Cadastral.GISADMIN.Property
-  GIS_Shared.GISADMIN.UrbanRuralBoundary
-  Notable_Trees 2017

GIS_Shared.GISADMIN.PlanningZones

Zone

-  Commercial
-  Conservation
-  Production
-  Residential
-  Rural





Legend

Tree Proposal 2018
Listing category

-  New site
-  Remove site
-  Updated site and new sub-listings
-  Updated site and remove sub-listings
-  Updated site details only

 Cadastral.GISADMIN.Property

 GIS_Shared.GISADMIN.UrbanRuralBoundary

 Notable_Trees 2017

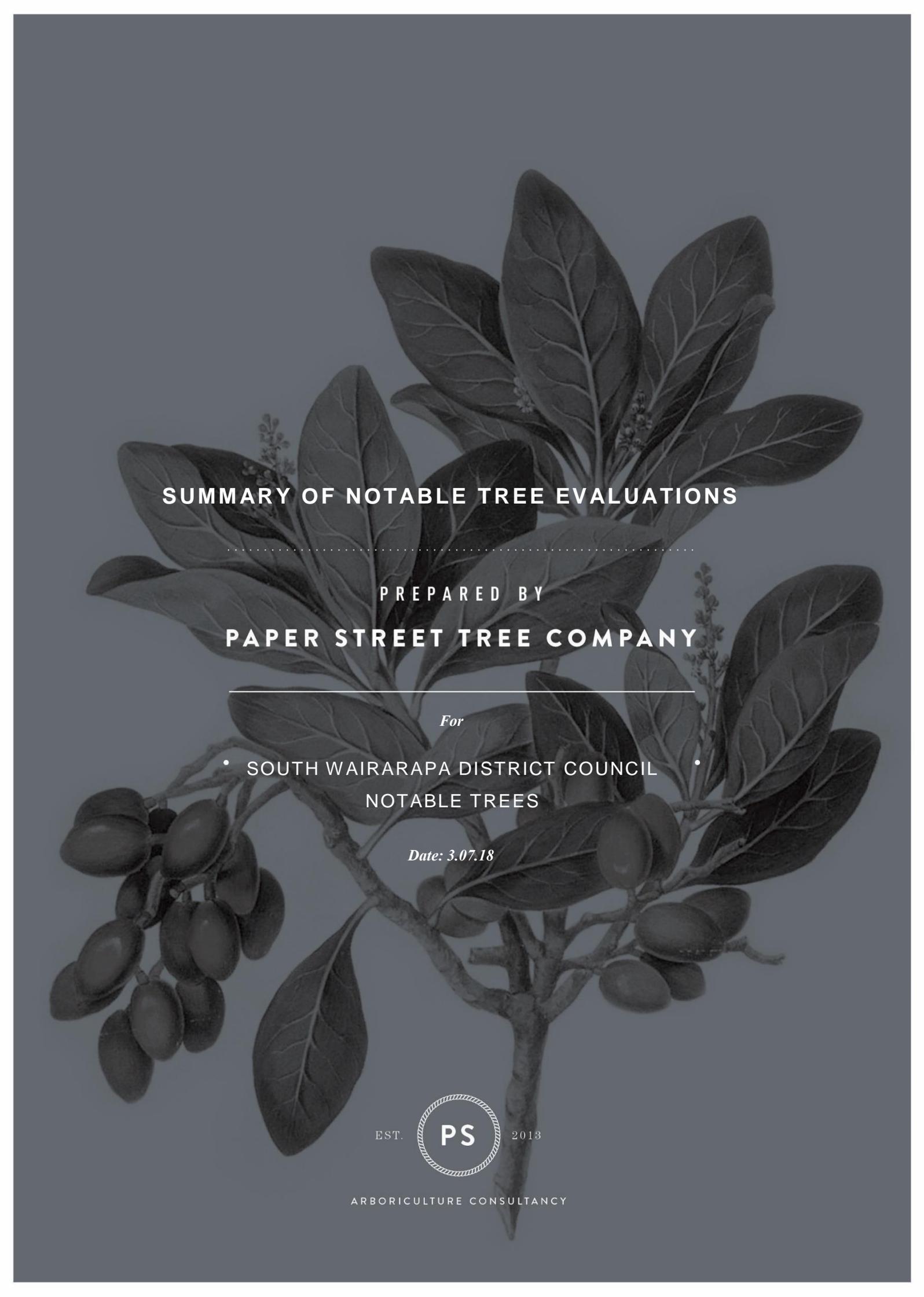
 GIS_Shared.GISADMIN.ReservePark

GIS_Shared.GISADMIN.PlanningZones

Zone

-  Commercial
-  Conservation
-  Industrial
-  Production
-  Residential
-  Rural

Appendix 3 - Summary of Notable Tree Evaluations (3 July 2018)



SUMMARY OF NOTABLE TREE EVALUATIONS

PREPARED BY
PAPER STREET TREE COMPANY

For

• SOUTH WAIRARAPA DISTRICT COUNCIL •
NOTABLE TREES

Date: 3.07.18

EST.



2013

ARBORICULTURE CONSULTANCY

1 INTRODUCTION

- 1.1 I have been engaged by South Wairarapa District Council (SWDC) to provide an updated evaluation for all listed scheduled trees, and to evaluate trees that have been proposed to be added to the SWDC protected tree schedule.
- 1.2 Trees were assessed using STEM - A Standard Tree Evaluation Method (Flook, R., 1996); a tree evaluation methodology used to determine the intrinsic quality of trees. It is designed as a tool to facilitate the decision making processes, for determining tree importance within urban and rural environments. It is currently being used by over 30 Local Authorities in New Zealand to identify important community trees, for their respective district plans.
- 1.3 There are currently 97 listings for notable trees in the District Plan, this equates to 299 trees (total number of trees recorded during this process). However, certain listings had trees referenced with plus marks e.g. oak 7+, or plural used for species e.g. oaks. Sites with these descriptions had numerous trees, making it almost impossible to distinguish what was initially proposed, landowners were also unsure as to what trees are protected. For instances like these, consultation took place with the landowner to select the best trees from the group. Therefore, in summary from the review of the existing trees, out of the 299 trees, 25 trees were no longer present and a further 20 trees have been proposed to be delisted for no longer being suitable for protection status. Resulting in 254 existing trees to be listed. In addition to this, a further 53 trees have been proposed by general members of the public, throughout the South Wairarapa district, and approximately 227 trees have been proposed by the Tree Advisory Group of Greytown. Resulting in a total of approximately 534 trees reviewed as part of this process.

2 ASSESSMENT PROCESS

As highlighted above, a large volume of trees were reviewed during this process. In addition to this, the existing listed trees had no recorded data for tree locations, which hindered the assessment process; especially for rural destinations, and as highlighted above in certain instances the exact number of trees were not recorded, or to which of the trees were protected when multiple trees of the same species exist within a site. Most of the trees had no notability information, or reasons for being initially protected, or as to why trees were protected or being proposed, which hindered the assessment process especially for rural destinations. In addition to this, addresses were incorrect, and during the last review it would appear that in some instances tree groups were relisted as a single tree e.g. an oak is listed, but on site there is an avenue of oaks. Furthermore, there was no land owner approval/consultation for all the trees proposed by the Tree Advisory Group, adding further complexities/delays to the process, this included misidentified trees and incorrect addresses/locations. Due to the above and in respect to budget constraints, carrying out a STEM assessment for all the trees proposed was not deemed possible, therefore trees were prioritised for STEM assessments as follows:

- Existing listed trees STEM assessed first
- Proposed trees with landowner approval STEM assessed second
- Proposed trees with no land owner approval STEM assessed third, where budget allows, and if trees meet a certain threshold

2.1 In light of the above, further strategies were put in place to make the process as efficient as possible. Such as, on the recommendation of the SWDC Environmental Manager Murray Buchanan, Council owned notable trees were only to be visually inspected, and just GPS located. For trees proposed that stand in road reserve SWDC Environmental manager also suggested that these trees are not prioritised due to already receiving a degree of protection, only assess if time allows. To further increase assessment efficiencies a series of detailed explanatory notes have been provided for, to show how the trees are assessed, and how the scores are reached. These are shown in the Paper Street Tree Company STEM Explanatory Notes, dated 3.07.18. Therefore, a total of 231 notable items (tree's and tree groups) have been STEM assessed, and 99 notable items that stand on Council owned land inspected and GPS located.

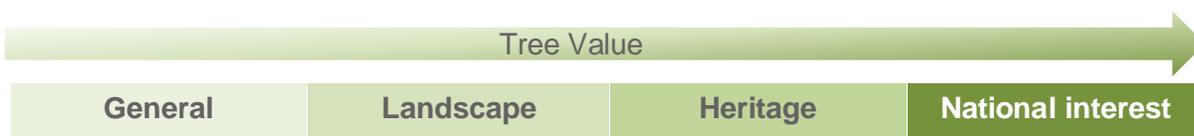
3 IMPROVEMENTS TO THE SWDC NOTABLE TREE LISTINGS

3.1 *Tree identification numbers*

All the notable items assessed have been given new identification numbers, in order to make trees more easily identifiable. Trees are either identified as an individual specimens, or as a tree group. Trees that have been classed as a tree group are for trees that are;

- located in unique ecosystem environment, such as a bush remnant, where certain individual trees are reliant on that ecosystem for survival.
- for trees that are either the same species located at a close proximity to one another identified or valued as a single entity e.g. an avenue of trees.

3.1.1 Each tree, or tree group, has also been assigned a letter to indicate its importance, in respect to the category in which a tree is assessed to hold the most value in, as shown below:



Each tree is given a letter prior to its number which corresponds to the above valuation category i.e. G= General tree, L= Landscape tree, H= Heritage tree and NI= National Interest tree. This ensures the appropriate consideration can be given to trees that are of public significance. This will also be beneficial tool for determining STEM thresholds.

3.2 *GPS locations*

Every listing has been GPS located, which is listed on the relevant assessment sheet. Trees that have been listed in groups, either have each tree recorded, or have every corner of the group GPS located. An illustrative plan also accompanies the relevant assessment sheet, with a polygon overlaid on an aerial image of the site to highlight the group.

3.3 *Trees nominated that have no landowner consent*

Even though it was considered there would not be enough time to carry out a STEM assessment for all the proposed trees with no land owner consent, all these trees have been visually inspected to ensure trees of public interest can be considered for protection. Most of these trees had to be assessed from the street, due to no approval from the landowner to access the site.

It is considered that a tree would need to score highly, in each of the criteria of STEM to be a tree worthy of Council perusing further consultation with the landowners. Therefore, a STEM score of 230points was set as a benchmark. Trees that received these types of score are easily identifiable, as they are trees of significant size, age, and historic importance or rarity. Where a tree is considered to meet, or be close to that threshold, a STEM assessment is carried out. In this instance only one tree reached that threshold, a group of heritage oaks (The Mead oaks). These trees are considered to be one of the first exotics plantings in the Wairarapa, and are located near the center of Greytown; at the bottom of Wood St.. Another tree which doesn't make the threshold but should be considered for further consultation with the landowner, is the copper beech located on 134 Main St Greytown, due to its location it is a landscape tree of local interest.

Any discussions with landowners, who do not wish to have their trees protected, should be carried out tactfully, as this can lead to important trees being injuriously damaged or in some cases unjustly felled.

3.4 *Recommended STEM thresholds*

As the trees are assigned into categories of importance specific threshold are set to reflect the public value those trees hold, therefore it's recommended that:

- Trees of National Interest are given a threshold of 110
- Trees of historic value are given a threshold of 120
- Trees of landscape value are given a threshold of 130
- Trees of general value are given a threshold of 140

Further details or explanations can be provided for on request, should any further information be necessary.

RICHIE HILL

PAPER STREET TREE COMPANY

**Appendix 4 - STEM
Explanatory Notes (3 July
2018)**

PAPER STREET
TREE COMPANY

—
ARBORICULTURE CONSULTANCY



STEM EXPLANATORY NOTES

For

**SOUTH WAIRARAPA DISTRICT COUNCIL
HERITAGE TREES**

Date: 3.07.18

FOR THE GREENER GOOD

021.0229.1586

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paperstreettree.co.nz

Contents

- 1 INTRODUCTION
- 2 PRE-ASSESSMENT OF A TREE OR TREE GROUP
- 3 EXPLANATORY NOTES FOR STEM ASSESSMENT CRITERIA
- 4 CONDITION (HEALTH) EVALUATION
- 5 AMENITY (COMMUNITY BENEFIT) EVALUATION
- 6 NOTABLE EVALUATION

REFERENCES

1 INTRODUCTION

1.1 STEM - A Standard Tree Evaluation Method (Flook, R., 1996); is a tree evaluation methodology used to determine the intrinsic quality of trees. It is designed to be used as a tool to facilitate the decision making processes, for determining tree importance within urban and rural environments. It is currently being used by over 30 Local Authorities in New Zealand to identify important community trees for their respective district plans.

1.2 These explanatory notes are provided to give detailed explanations to how the trees are evaluated. The purpose of these notes is to minimise the inherent subjectivity from the assessment process, and to make the assessments more accessible to those who are not tree experts. The notes are divided into sections, which correspond to the sections found on a STEM assessment sheet. These notes are designed to be concise, so not to overwhelm the reader with unnecessary jargon or technical information. Research material is cited where necessary to support reasoning for scores, and definitions of terms used within this assessment are provided for in the following section. In instances where a tree, or tree group, has specific information, this is noted on the specific STEM sheet assigned to the tree or tree group. Otherwise trees are scored as per the processes outlined within these notes.

1.3 *Terms used*

Considered: An opinion given by the assessor in the context of his/her experience in working with trees.

Cultural services: The non-material benefits people obtain from ecosystems.

Cultural significance: Relates to the aesthetic, historic, scientific, social or spiritual value for past, present or future generations (ICOMOS Australia Burra Charter)

General: A tree, or tree group that represents a typical example of its species found within the region.

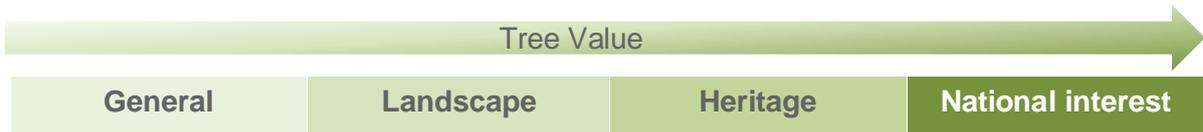
Heritage: Trees that contribute to an understanding and appreciation of New Zealand's history and cultures, or associated with, or connected to, a person, group or community.

Landscape: A tree, or tree group, noted for having large dimensions, or for being of special visual/cultural significance.

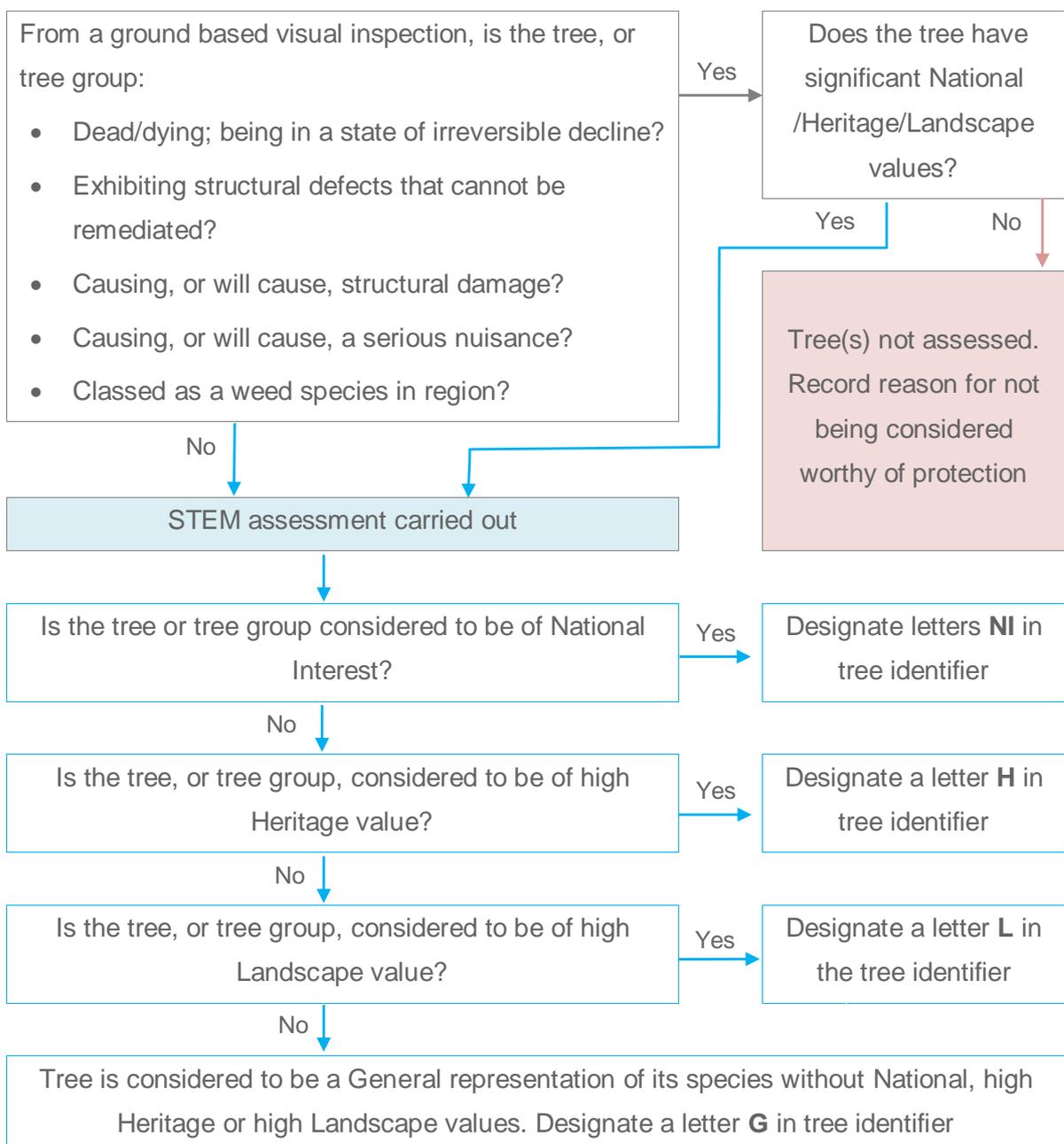
- National interest: Trees rare in New Zealand, or the earliest known plantings, or of large diameter, height or canopy spread nationally (top 5), or trees considered nationally as outstanding specimens, or pristine intact bush remnant of an original forest, or trees considered nationally as outstanding specimens.
- Nuisance: A constant activity or set of circumstances that causes a substantial and unreasonable interference with a person's land, or his/her use or enjoyment of that land.
- Proximity of trees: Nearness or closeness of other trees within the immediate surrounds of a subject tree or tree group.
- Structural damage: Damage considered to be caused by a tree, or tree group, that impairs the structural integrity of a structure, which requires a major repair, involving partial or complete rebuilding.
- Tree A woody perennial plant typically having a single stem or trunk growing to a considerable height and bearing lateral branches at some distance from the ground.
- Tree disservice: Trees that cause a nuisance in the following, but not limited to; spreading of invasive species, shading, limb failure, fruit/leaf fall, bird roosting, animal excrement, honeydew deposits, proximity to power lines or causing structural damage.

2 PRE-ASSESSMENT OF A TREE OR TREE GROUP

2.1 Prior to a STEM assessment being carried out, each tree was pre-assessed to ensure only trees of quality were being considered for protection status. For trees that qualify for a STEM assessment, a unique identifier is assigned to each tree, or tree group, to note the value of the tree or tree group creating a hierarchy of importance (see below)



2.2 Flow chart to show pre-assessment criteria



3 EXPLANATORY NOTES FOR STEM ASSESSMENT CRITERIA

Below is an example of a STEM assessment sheet with definitions included, where necessary, with detailed explanations provided for in the additional noted sections.

| | | | |
|---|--------------------------------------|--------------------|---|
| Address | Address where the tree stands | | |
| Tree name | Species (botanical and common names) | ID Ref | Ref number including value letter i.e. heritage, landscape or general |
| Location of the tree on the site | Where the tree stands on the site | | |
| Legal address | Title on where the tree is located | | |
| Lat / Long | GPS coordinates for the tree(s) | | |
| Date of STEM Assessment | When assessment took place | Assessed by | Name of assessor |

Tree Dimensions (TD)

| | | |
|---|---------------------------|--------------------------|
| Height: Measurement of tree height noting measurement device | Girth @ 1.4m: (cm) | Spread: (m) x (m) |
|---|---------------------------|--------------------------|

Condition (Health) Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score | Explained in detail in section 4 |
|------------------------------|-------------|----------|------------|-------------|-----------|----------|----------------------------------|
| Form | Poor | Moderate | Good | Very Good | Specimen | 0 | |
| Occurrence | Predominant | Common | Infrequent | Rare | Very Rare | 0 | |
| Vigour & Vitality | Poor | Some | Good | Very Good | Excellent | 0 | |
| Function | Minor | Useful | Important | Significant | Major | 0 | |
| Age (years) | 10+ | 20+ | 40+ | 80+ | 100+ | 0 | |
| Subtotal | | | | | | 0 | |

Amenity (Community Benefit) Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score | Explained in detail in section 5 |
|------------------------|--------|----------|--------------|-------------|----------|----------|----------------------------------|
| Stature (m) | 3-8m | 9 - 14m | 15 - 20m | 21 - 26m | 27+ | 0 | |
| Visibility (km) | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 | 0 | |
| Proximity | Forest | Parkland | Group of 10+ | Group of 3+ | Solitary | 0 | |
| Role | Minor | Moderate | Important | Significant | Major | 0 | |
| Climate | Minor | Moderate | Important | Significant | Major | 0 | |
| Subtotal | | | | | | 0 | |

Notable Evaluation

| Recognition Points | 3 | 9 | 15 | 21 | 27 | Score | Explained in detail in section 6 |
|--------------------------|-------|----------|----------|----------|---------------|----------|----------------------------------|
| Stature Feature | Local | District | Regional | National | International | 0 | |
| Form | Local | District | Regional | National | International | 0 | |
| Historic Age 100+ | Local | District | Regional | National | International | 0 | |
| Association | Local | District | Regional | National | International | 0 | |
| Commemoration | Local | District | Regional | National | International | 0 | |
| Remnant | Local | District | Regional | National | International | 0 | |
| Relict | Local | District | Regional | National | International | 0 | |
| Scientific Source | Local | District | Regional | National | International | 0 | |
| Rarity | Local | District | Regional | National | International | 0 | |
| Endangered | Local | District | Regional | National | International | 0 | |
| Subtotal | | | | | | 0 | |

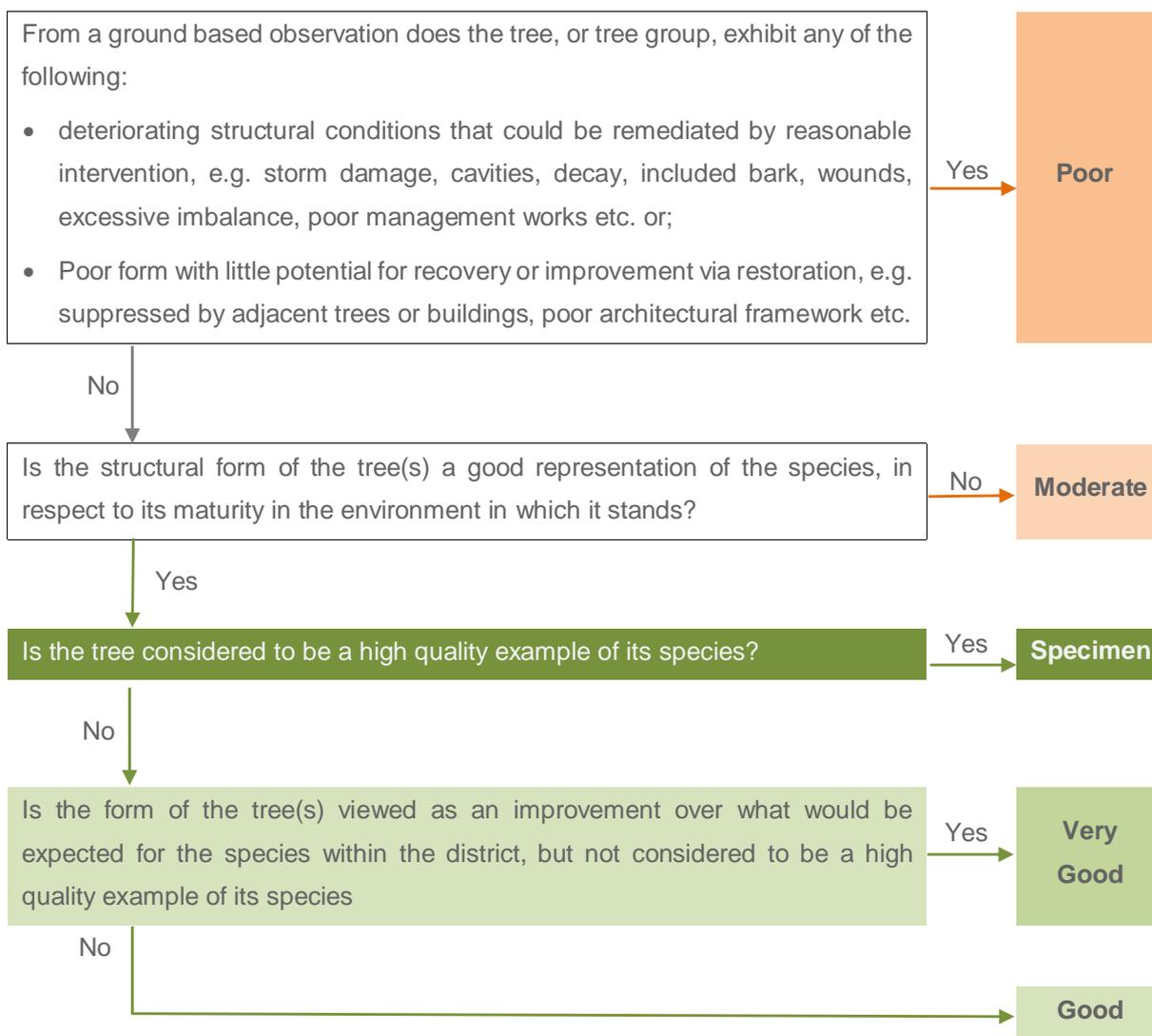
Total Points 0

4 CONDITION (HEALTH) EVALUATION

4.1 *Form of the Tree*

An assessment is made of the structural form and symmetry of a tree, whereupon the highest points are given to specimens that are considered good examples of the species.

4.1.2 Flow chart for calculating form



4.2 *Occurrence of the Species*

The occurrence of a species is based on local knowledge to the frequency in which a species features within the local district boundary. Occurrence of the species is also considered in the wider context; regionally, national and internationally if an unusual or rare specimen is encountered. Where such a tree is encountered, other arboricultural specialists or botanists, locally and internationally, are consulted to validate species rarity.

- 4.2.1 The primary purpose of this section is to award points to trees that do not feature frequently within the region, as significant numbers of the same species can be vulnerable; e.g. should a species become susceptible to a particular pest or pathogenic attack. More diversity also provides more opportunity for functions to operate across a broader range of conditions. In this way, biodiversity provides natural insurances against future environmental uncertainties (e.g. climate change and pests and diseases).

4.3 *Vigour and Vitality*

Vigour and vitality provide an assessment of health of the tree or tree group, as defined below:

- **Vigour**

Is a genetic capacity of a tree to grow and endure stress (genetic feature (static))

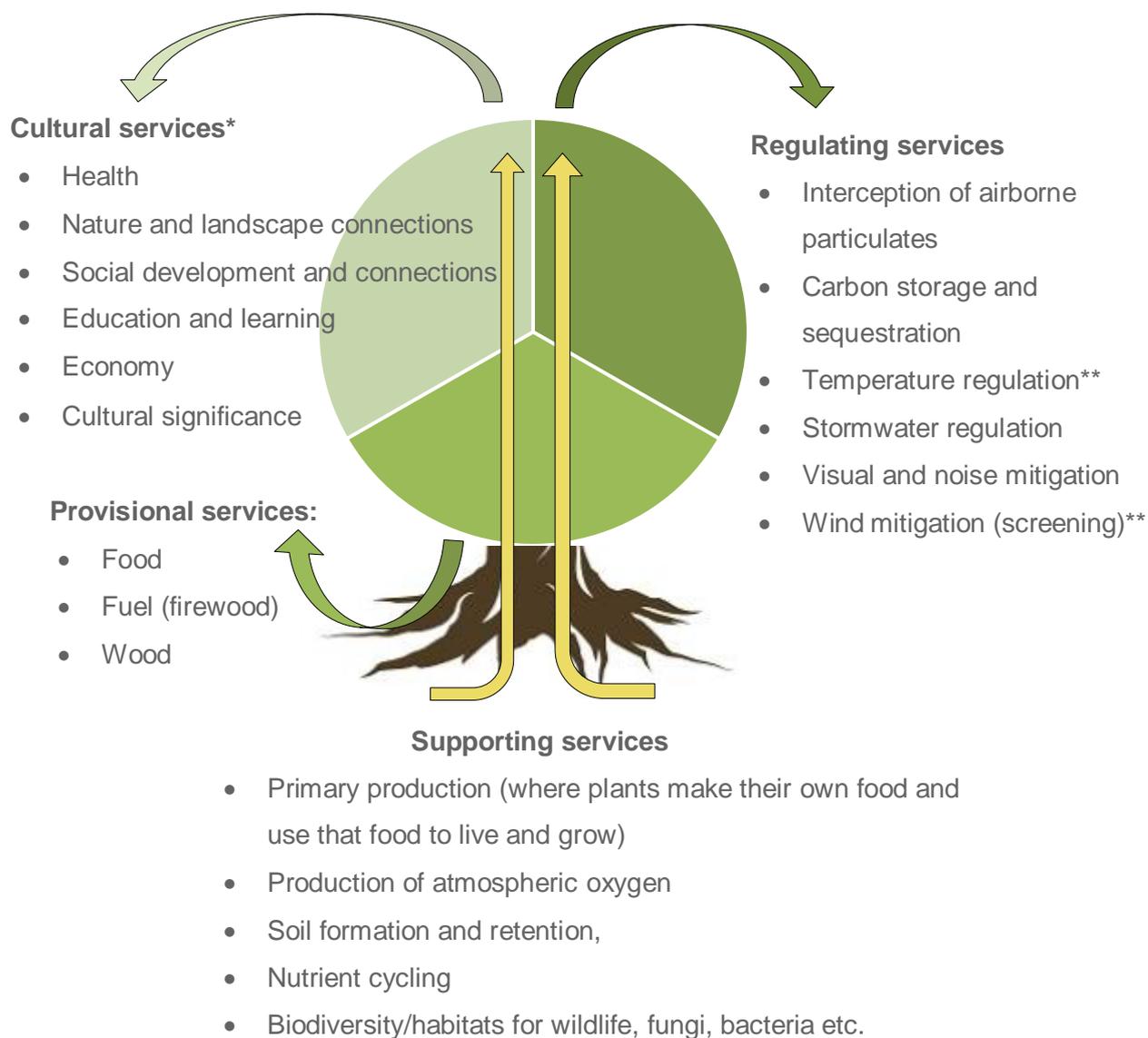
- **Vitality**

The ability of a tree to grow and survive under the environmental conditions in which it stands (environmental factors (dynamic))

- 4.3.1 Due to the assessments taking place over a period of time (through three seasons; spring, summer and autumn), some trees were devoid of foliage. Whilst this absence had the potential to limit the accuracy of assessing tree health, where size, density, discoloration and distortion of leaf could not be assessed for the determination of vitality, other factors were taken into consideration i.e. hue and tracery of the canopy, density of buds, fruit set, absence/presence of lichens on small diameter branches etc. Previous and current growth increments were also observed to assess levels of vigour.

4.4 *Function (Usefulness)*

This section assesses the usefulness of the tree within its given space, in relation to the ecosystem services (benefits that people derive from nature) that the tree or tree group provides. The Millennium Ecosystem Assessment (MEA, 2005) and the UK National Ecosystem Assessment (UK NEA, 2011) categorised ecosystem services into four broad categories as shown in the diagram below.



*Assessed in section 4.4 under Role

**Assessed in section 4.5 under Climate

4.4.1 As noted previously, cultural services, temperature regulation and wind mitigation are assessed under other sections within the assessment, therefore this section focuses on the remaining ecosystem services; provisional, regulatory and where applicable supporting services.

4.4.2 Tree size has a significant effect on the provision of ecosystem services, with larger and more mature trees providing a greater variety of benefits than small and immature trees; due to their larger canopies and stem diameter (Gill *et al.*, 2007; McPherson *et al.*, 2007) e.g. carbon storage and sequestration; large old trees actively fix large amounts of carbon compared to smaller trees (Stephenson, *et al.*, 2014). The figure below provides a visual interpretation of how the value of these ecosystem services increase with age.

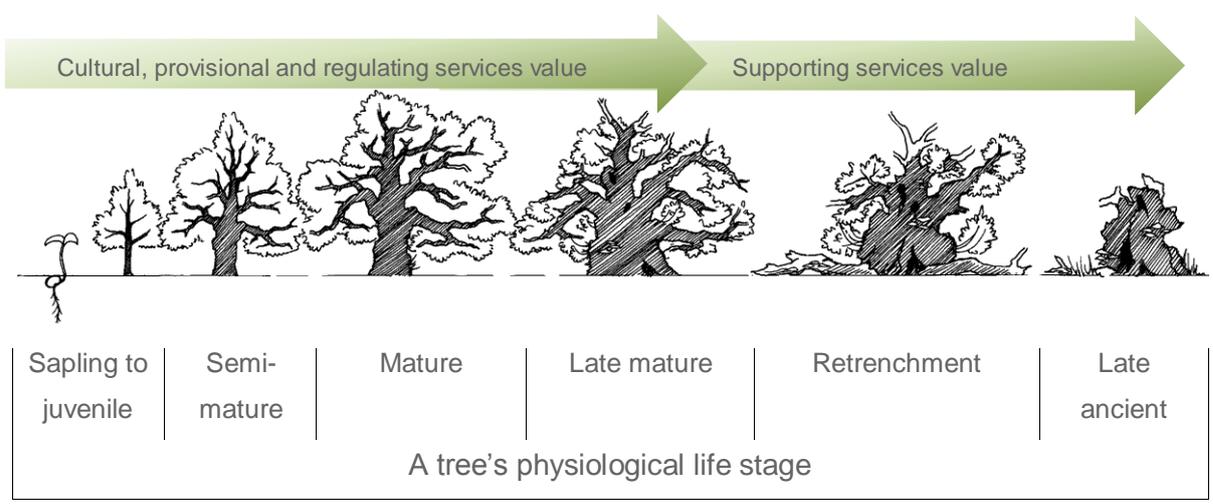
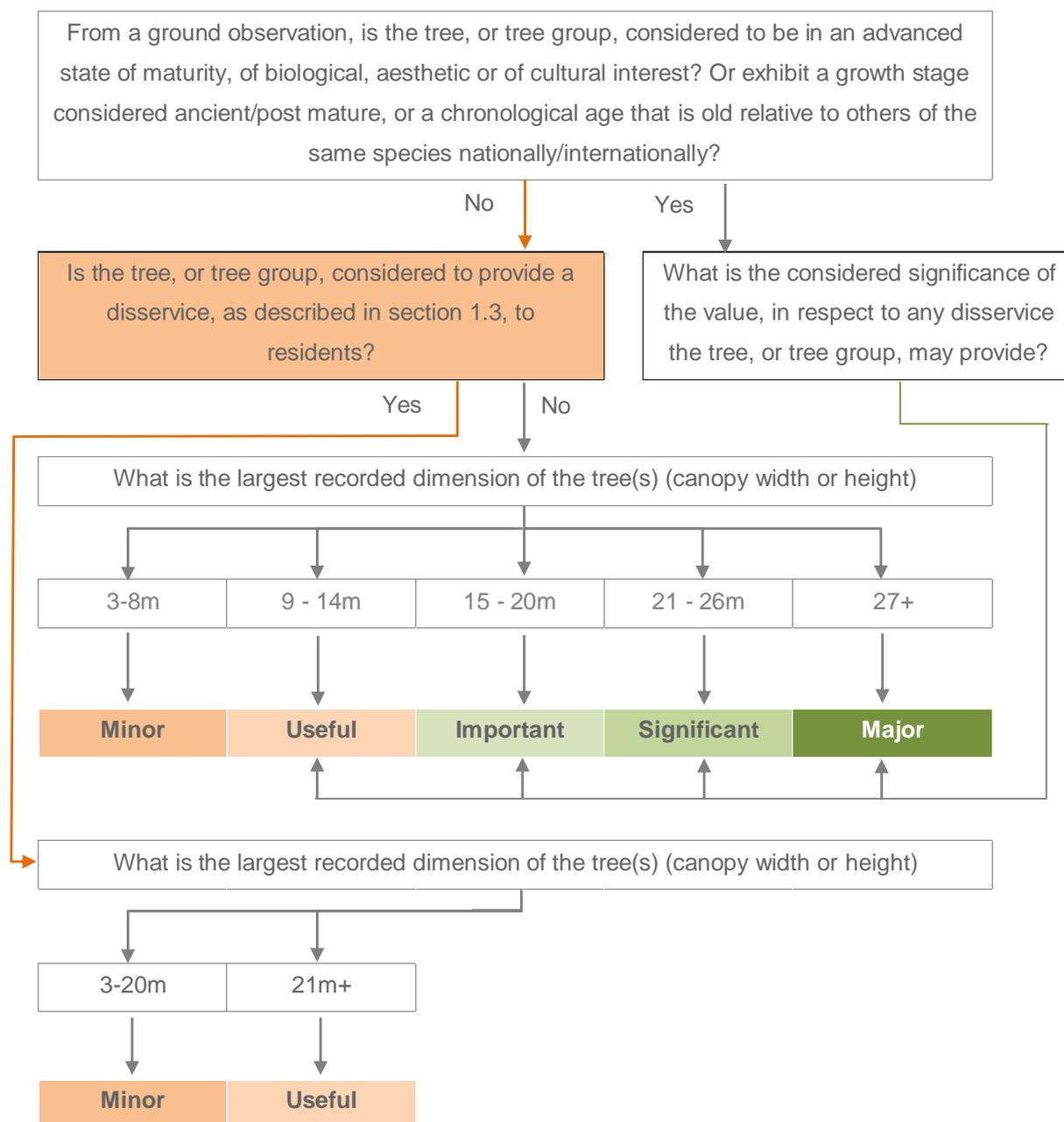


Fig. 1 A tree's physiological life stage

4.4.3 When considering the benefits people derive from trees, it is also important to acknowledge the negative effects created by trees. These were considered in the assessment and have been identified as tree disservices. To remove subjectivity from the term, tree disservices have been clearly defined in section 1.3, but essentially a tree disservice is a tree that is causing, or will cause, a nuisance or structural damage. Therefore, tree disservices have been factored into the calculation for Function, and were offset against the positive benefits a tree provides, as outlined in the following flowchart.

4.4.4 Flow chart for calculating function:



4.5 Age

Tree age has been determined by various factors, including considering the age of dwelling and the historical context of the tree's role in the landscape (i.e. is it likely that the tree was part of the original gardens), comparing the dimensions of the tree with the same species of tree where the age is known within the region; assessing the tree's growing environment to deduce rate of growth and from reviewing historic imagery, where available. Other resources include comparative analysis of trees listed in the New Zealand Tree Register (www.notabletrees.org.nz), where age of planting is given.

5 AMENITY (COMMUNITY BENEFIT) EVALUATION

5.1 *Stature (size)*

The tree or group of tree's greatest dimension from either height or crown spread was used to score this criterion. In the case of groups of trees the combined spread of the group is generally taken.

5.2 *Visibility of the tree or tree group*

This score related to the visual profile and stature that the tree or tree group has in the streetscape or geographical topography. This was applied considering the distance a person would reasonably be able to view, and distinguish, a tree or tree group being assessed.

5.3 *Proximity of other trees*

Lone standing trees, or groups, within the landscape, particularly within an urban situation are viewed within the assessment criteria to draw greater interest, and therefore under this section are considered to have greater value i.e. fewer trees within the landscape the greater the value of a tree within that landscape.

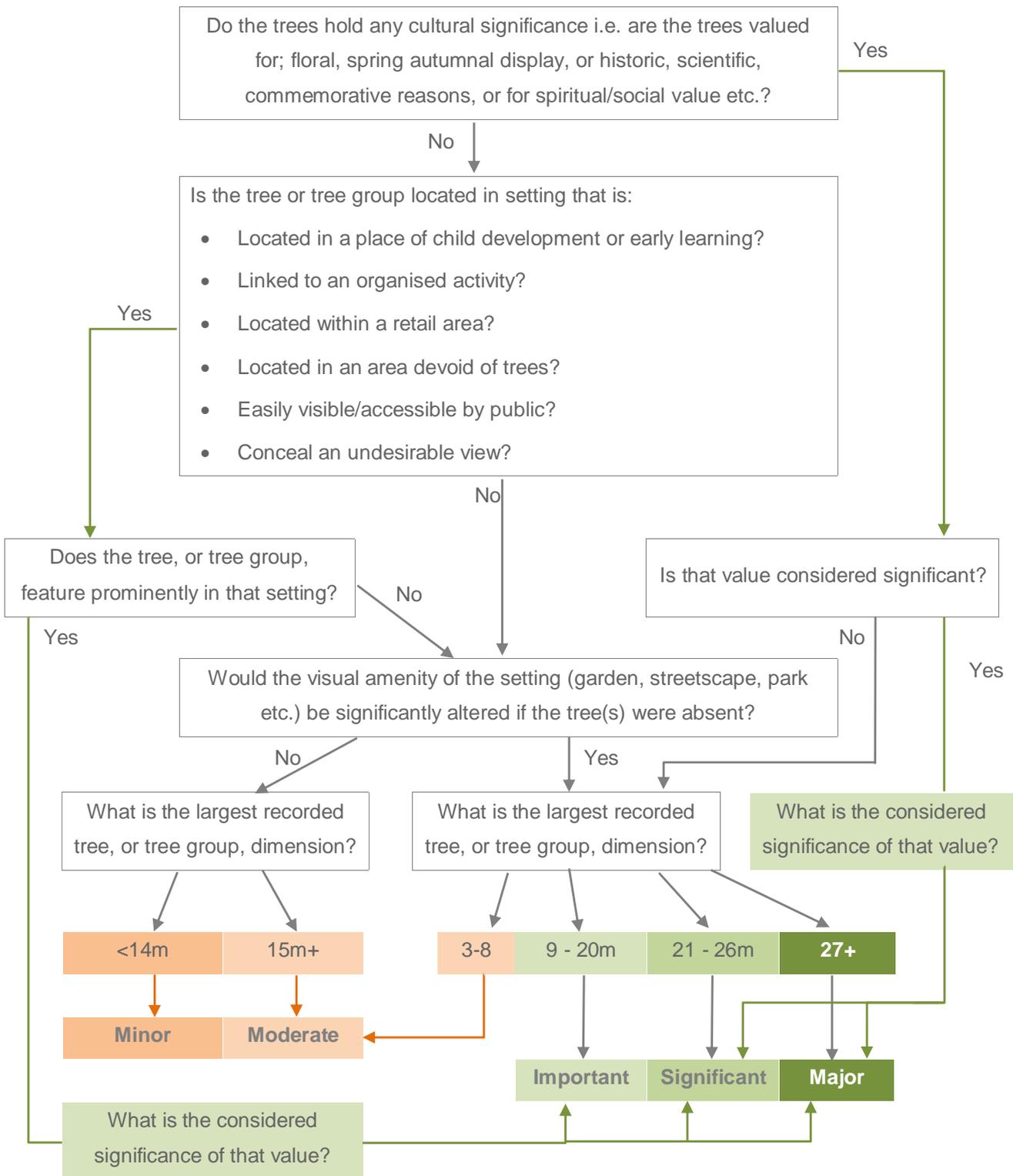
5.4 *Role in setting*

This is a subjective criterion where the assessor determines what visual contribution a tree or trees makes to the landscape. Trees provide psychological benefits in the terms of wellbeing values. Active encounters with trees and nature, or if viewed passively from homes, vehicles, walking etc. are scientifically linked to wellness (Wolf, 2015)). In this criterion the location, prominence and visual contribution are key factors in considering a score.

5.4.1 People report lower mental distress and higher well-being when living in urban areas with more greenspace, in comparison to when they lived in areas with less greenspace (White *et al.*, 2013). Kuo (2001) found that street trees in deprived residential areas are associated with significant benefits for children's cognitive function; other benefits of trees include physical, social and personal development and affective (emotional) benefits (Dillon and Dickie, 2010).

5.4.2 Trees also provide economic benefits in terms of retail areas being more enjoyable for consumers, especially large trees (Wolf. 2004 & 2005), and highly treed suburbs increase property value (Tryvainen *et al.*, 2000; Donovan *et al.*, 2010).

5.4.3 Flow chart to assist in the assessment of Role calculation

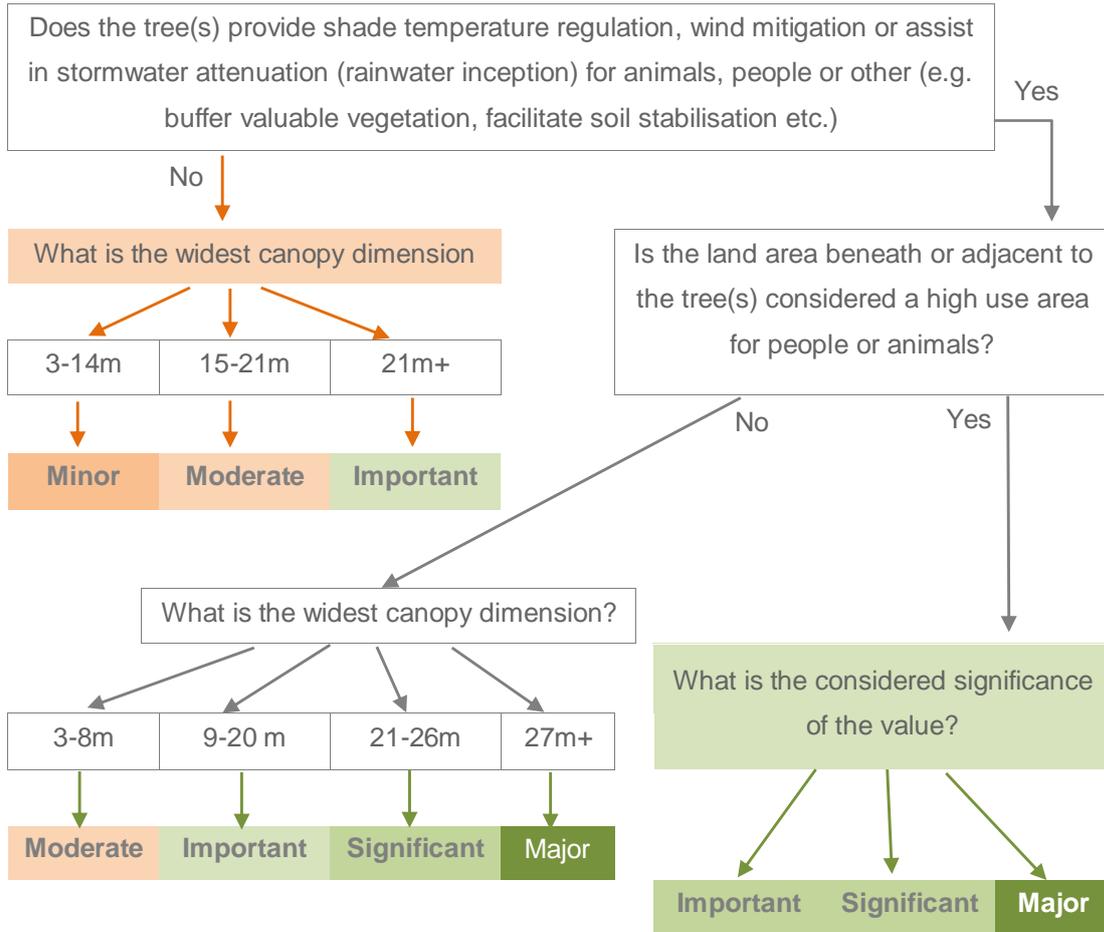


5.5 *Climatic Influence*

Trees intercept rainfall, provide screening from winds and regulate localised temperatures via shading and cooling. The shading of trees can be significant in providing thermal comfort for public and animals; trees can reduce runoff by up to 60%, provide shade, cooling urban populations by up to 4-7°C and surfaces by 15-20°C, while their evapotranspiration can remove up to 50% of the energy from incoming ultraviolet (UV) radiation (Ennos *et al.*, 2014).

- 5.5.1 The shading and ability of trees to intercept UV is of particular benefit for New Zealanders in considering the high intensity of UV radiation that is generated between the months of September and April; 10 on the UV index is considered extreme, in New Zealand the maximum summer value is generally about 12, but it can exceed 13 in the far North (NIWA).
- 5.5.2 Hard surfacing such as asphalt, tarmac and brick absorb more short-wave radiation (sunlight) and can store more heat than vegetation (which reflect more radiation); resulting in warmer air temperatures over urban areas compared to those over rural areas. This effect is more pronounced during heatwaves. Trees are not only good reflectors of short-wave radiation, but their canopies also shade hard surfacing that would otherwise absorb such radiation, reducing surface temperatures and convective heat. Trees also reduce warming of the local environment through the process of evapotranspiration where, by the evaporation of water from leaf surfaces, lead to cooling the surrounding air and improving human thermal comfort (Davis *et al.*, 2017). For both rain water inception and temperature regulation, the greater the leaf area the greater the benefits will be (Gill *et al.*, 2007). Temperature regulation and rain water inception can contribute to preserving/maintaining soil condition so viewed as a supporting service. Therefore, this has been taken into the consideration for the calculation where the climate is not viewed to benefit people or stock etc.

5.5.3 Flow chart to assist in assessing Climatic influence



6 NOTABLE EVALUATION

All scores in the notable section were scored conservatively and only where trees were considered to be exceptional examples, or had known values such as great age, were landmarks, signatures of place or were part of the historical context of the site.

6.1 *Stature*

- **Feature**

Trees score in this criterion for being of very high prominence or being easily recognisable as a local point of interest or landmark.

- **Form**

Trees only score in this criterion if they are impressive examples of their species as determined by the assessing arborist.

6.2 *Historic*

- **Age**

This was scored conservatively when there was confidence the tree was in excess of 100 years old.

- **Association**

For a tree to be scored in this criteria it was assessed to have a well-established connection with a natural or planned event, an eminent person (a person of known interest), or have cultural significance, whether as a sense of place; tangible characteristic of a place, or as a characteristic that makes a place special or unique.

- **Commemoration**

Trees planted to mark special occasions. To be scored only when supported by written research or evidence from a historian, or other reputable source.

- **Remnant**

This section applies to remnants of native forest or exotic tree plantations; trees considered to be part of an original forest or plantings which has now been modified from their original growing environment (e.g. group of forest trees now growing in urban subdivision etc.); a part or quantity that is left after the greater part has been used, removed, or destroyed.

- **Relict**

This section is for a single tree that exists as the only remnant of a formerly widely distributed group in an environment different from that in which it originated.

6.3 *Scientific*

- **Source**

This section is scored when trees are assessed to be a potential seed source for trees regarded to be an exceptional example of species, or a source for natural regeneration in regards to remnant trees, or for trees that exhibit any distinctive variation of the species.

- **Rarity**

Trees were assessed as being rare when there were less than a handful of known examples of the species, subspecies, variety or cultivar in the area and applied accordingly to various level of significance e.g. local, district, region etc.

- **Endangered**

This is applied in rare instances when a species have been assessed as threatened under the criteria developed by the International Union for the Conservation of Nature (ICUN) or based on the Conservation status of New Zealand indigenous vascular plants, 2017.

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**Appendix 5- Proposed RMA
1991 Schedule 1 Plan
Change Proposal: District
Plan Notable Tree Register
(4 December 2018)**

Proposed Plan Change: UPDATE OF COUNCIL'S NOTABLE TREE REGISTER IN APPENDIX 1.4 OF THE WAIRARAPA COMBINED DISTRICT PLAN

In accordance with the provisions of the First Schedule of the Resource Management Act 1991 (the Act), Part I: Preparation and Change of Policy Statements and Plans by Local Authorities, the following outlines the proposed plan change: Update of Council's Notable Tree Register in Appendix 1.4 of the Wairarapa Combined District Plan (District Plan):

1 Time Limits

As no specific time limit is set in the Schedule, Council have an obligation to avoid unreasonable delay (clause 1(3)), in accordance with Section 21 of the Act.

1A Mana Whakahono a Rohe to be complied with

N/A – no applicable Mana Whakahono a Rohe.

1B Relationship with iwi participation legislation

N/A – no relevant iwi participation legislation.

2 Preparation of proposed policy statement or plan

The proposed plan change to the Wairarapa Combined District Plan (District Plan) has been prepared by South Wairarapa District Council, the local authority concerned (clause 2(1)) as follows:

Change to listings

- Wairarapa Combined District Plan Volume 1 – Appendix 1.4
 - a. 87 existing sites in Appendix 1.4;
 - b. Remove 10 existing sites from Appendix 1.4;
 - c. Add 20 new sites to Appendix 1.4;
 - d. Resulting in a new total of 97 site listings (increase of 10 in total);
 - i. Confirming accuracy of tree species for each listing onsite
 - ii. Confirming uniformity of tree details in database (common name, botanical name for each listing)
 - iii. Confirming uniformity of addresses in database (postal address, legal description)
- Wairarapa Combined District Plan Volume 2 – Planning Maps
 - a. Update Planning Maps to reflect changes in Appendix 1.4

3 Consultation

Consultation for the proposed plan change: Update of Council's Notable Tree Register has been undertaken as summarised in the "Proposal and section 32 report", including consultation with tangata whenua of the area who may be so affected, through iwi authorities (clause 3(1)(d)).

3A Consultation in relation to policy statements

N/A

3B Consultation with iwi authorities

For the purposes of clause 3(1)(d) Council has undertaken consultation with iwi authorities, including enabling the iwi authorities to identify resource management issues of concern to them (clause 3B(d)).

3C Previous consultation under other enactments

No previous consultation undertaken.

4 Requirements to be inserted prior to notification of proposed district plans

N/A

4A Further pre-notification requirements concerning iwi authorities

Draft plan change: Update of Council's Notable Tree Register will be provided to iwi authorities once approved by Council.

5 Public notice and provision of document to public bodies

An evaluation report for the proposed plan change: Update of Council's Notable Tree Register has been prepared in accordance with Section 32 of the Act. Particular regard has to be given to this report when deciding whether to proceed with the plan change (clause 5(1)(a)). Once the decision is made to proceed, Council must either publicly notify the proposed plan change or give limited notification, as provided for in clause 5A.

It is considered appropriate to publicly notify the proposed plan change: Update of Council's Notable Tree Register because in this case Council is unable to identify all the persons directly affected by the proposed plan change (the test set for limited notification in clause 5A(2)).

Clause 5 also provides details as to how public notice is served; who should receive a copy of the proposed plan change; where copies of the proposed plan change are to be made available for viewing; that any person can make a submission; and the closing date for submissions, which in the case of a proposed plan change, is at least 20 working days after public notification.

5A Option to give limited notification of proposed change or variation

N/A – if publicly notified

6 Making of submissions under clause 5

Once the proposed plan change: Update of Council's Notable Tree Register is notified the local authority in its own area may make a submission (clause 6(2)), or any other person may make a submission so long as that person does not gain an advantage in trade competition (clauses 6(3) and 6(4)).

The remainder of the process to be followed under the First Schedule of the Act will depend on whether submissions are received.

**Appendix 6 – RMA 1991
Section 32 Evaluation report
by Kaha Consulting Ltd (4
December 2018)**



South Wairarapa District Council

Proposed Plan Change 10

**Update of the Council's notable tree register in
Appendix 1.4 of the Wairarapa Combined District Plan**

Proposal and section 32 report

5 December 2018

Introduction

Plan Change 10 proposes amendments to the Wairarapa Combined District Plan's Appendix 1.4 that lists notable trees. It seeks to ensure that the Appendix is up to date and relevant. The Change only affects trees in the South Wairarapa District.

Notable trees are provided with protection through Rules 21.1.1 and 21.4 of the Wairarapa Combined District Plan. The rules set out standards of activities are permitted in relation to listed trees, and determine that if those standards cannot be met, that a resource consent for a restricted discretionary activity is required.

Appendix A sets out the details of these rules.

Trees are important in terms of place making, amenity levels and recognition of heritage values. Notable trees deserve protection. This approach is common across the three Wairarapa councils.

The overall approach to district plan tree protection in the District Plan is not proposed to change.

The sole purpose of the change is to ensure that Appendix 1.4 which identifies trees that are worthy of protection is up to date and relevant. This means that trees that have died or have been removed are no longer included. Additional trees that have been suggested as being worthy of inclusion in the Appendix have been professionally assessed. Based on that assessment a number of trees are recommended for inclusion.

The planning process leading up to the Proposed Plan Change has included consultation with the community.

The Council has engaged a recognised arborist, Mr Richie Hill of Paper Street Tree Company Ltd to assist with the professional review of the values of all currently protected trees and additional new trees suggested for inclusion in Appendix 1.4.

Mr Hill has undertaken assessments using the Standard Tree Evaluation Method, known as STEM¹ assessments as the basis to recommend whether trees should be included in Appendix 1.4, or not.

¹ This tree evaluation method was first published in September 1996 by [Ron Flook](#). It quickly became the most widespread method of evaluating heritage and notable trees for district plans around the country. It is now used by more than 35 Councils in New Zealand. In August 2012 the New Zealand Notable Trees Trust became the copyright holder of STEM.

Purpose of this report

Section 32 of the Resource Management Act 1991 (RMA) requires plan changes to be assessed for their suitability to achieve the purpose of the RMA. This report provides analysis of the proposed changes to Appendix 1.4 and provides a summary of the evaluation of the costs, benefits, and options considered during the preparation of the plan change, as required under Section 32.

This Proposed Plan Change reviews Appendix 1.4 in so far as it applies to the South Wairarapa District. No changes to the Appendix where these apply to Masterton District and Carterton District have been proposed. There are also no changes proposed to the policies and objectives relating to protected trees, or the rules that apply to those trees.

Section 32(2) of the Resource Management Act 1991 states

“An assessment under subsection (1)(b)(ii) must

(a) identify and assess the benefits and costs of the environmental, economic, social, and cultural effects that are anticipated from the implementation of the provisions, including the opportunities for— (i) economic growth that are anticipated to be provided or reduced; and (ii) employment that are anticipated to be provided or reduced; and

(b) if practicable, quantify the benefits and costs referred to in paragraph (a);

and (c) assess the risk of acting or not acting if there is uncertain or insufficient information about the subject matter of the provisions.”

Under the above provision, Council is required to document the evaluation process and the reasons for selecting the preferred options as the most suitable option for dealing with the resource management issues and achieving the desired environmental outcomes.

Section 32(5) requires that the *“report must be available for public inspection at the same time as the document to which the report relates is publicly notified or the regulation is made”*.

Therefore, this report will be available, alongside the new plan provisions and the background arborist reports, when the plan change is notified. It can inform the public and stakeholders of Council’s reasoning and assessment.

The report is, however, a “living document”. As the plan-making process progresses from this point on, it is recognised that the public and stakeholders have an important contribution to make through the submissions and hearings process.

The report, along with any submissions received during notification, will assist Council in its deliberations, prior to making its final decisions on the proposed plan change.

Ultimately, when Council makes its final decision, an update to this report will be prepared to summarise the consultation and statutory process undertaken by Council, its deliberations, and the rationale for any changes made to the proposed plan provisions because of the submissions that have been made.

This report considers:

- RMA legislative requirements,
- Overview of proposed changes to the District Plan,
- Assessment of Greater Wellington Regional Council Regional Policy Statement provisions. planning Instruments,
- Review, consultation and research process, and
- Section 32 cost/benefit analysis.

RMA legislative requirements

The Resource Management Act requires every district to have a District Plan which, once operative, must be reviewed every ten years. The Wairarapa Combined District Plan is a combined plan for the three Wairarapa district councils (Masterton, Carterton and South Wairarapa). It became operative in 2011. That means that the Plan needs to be reviewed by 2021. However, Council can elect to review parts of the operative plan earlier where it believes that the plan provisions are out of date.

In undertaking this District Plan review there are number of legislative requirements to be considered. Those which are most relevant are outlined in this section.

Section 32

Section 32 RMA requires the Council, before a plan change is notified, to evaluate alternative options for dealing with the District's resource management issues. Section 32(1) states:

"An evaluation report required under this Act must—

(a) examine the extent to which the objectives of the proposal being evaluated are the most appropriate way to achieve the purpose of this Act; and

(b) examine whether the provisions in the proposal are the most appropriate way to achieve the objectives by— (i) identifying other reasonably practicable options for achieving the objectives; and (ii) assessing the efficiency and effectiveness of the provisions in achieving the objectives; and (iii) summarising the reasons for deciding on the provisions."

The scope and matters that Council must consider during its evaluation of the evaluation required, is described as follows in Section 32(2):

"An assessment under subsection (1)(b)(ii) must—

(a) identify and assess the benefits and costs of the environmental, economic, social, and cultural effects that are anticipated from the implementation of the provisions, including the opportunities for— (i) economic growth that are anticipated to be provided or reduced; and (ii) employment that are anticipated to be provided or reduced; and

(b) if practicable, quantify the benefits and costs referred to in paragraph (a); and

(c) assess the risk of acting or not acting if there is uncertain or insufficient information about the subject matter of the provisions."

Purpose and principles of the RMA

The overriding framework that guides all decision-making under the RMA is embodied in the purpose and principles of the RMA, as stated in Part 2 (sections 5 – 8). The purpose of the RMA is to promote the sustainable management of natural and physical resources.

Section 5 of the RMA states:

*“The purpose of this Act is to promote the sustainable management of natural and physical resources.
(2) In this Act, sustainable management means managing the use, development, and protection of natural and physical resources in a way, or at a rate, which enables people and communities to provide for their social, economic, and cultural well-being and for their health and safety while— (a) sustaining the potential of natural and physical resources (excluding minerals) to meet the reasonably foreseeable needs of future generations; and (b) safeguarding the life-supporting capacity of air, water, soil, and ecosystems; and (c) avoiding, remedying, or mitigating any adverse effects of activities on the environment.”*

Section 6 of the RMA identifies matters of national importance, and states that in achieving the purpose of the RMA, all persons exercising functions and powers under it, in relation to managing the use, development, and protection of natural and physical resources, shall recognise and provide for these matters.

Section 7 of the RMA identifies “other matters” that in achieving the purpose of the RMA, all persons exercising functions and powers under the RMA shall have particular regard to in relation to managing the use, development, and protection of natural and physical resources.

Section 8 requires that in achieving the purpose of the RMA, decision makers should also take into account the principles of the Treaty of Waitangi.

Other RMA requirements

In undertaking this District Plan review there are number of legislative requirements to be considered. A district plan is a document to assist territorial authorities to carry out their functions. It follows then that a district plan must be confined to matters that fall within the scope of a territorial authority’s functions. The functions of territorial authorities are set out in Section 31 of the RMA.

Plan Change 10 proposes to change the Appendix that lists notable individual and groups of trees in the South Wairarapa District. Protection of trees will ensure the integrated management of effects of land use activities. It is considered that the proposed plan change will assist Council to carry out its functions set out in Section 31 of the RMA.

The purpose of district plans as set out in Section 72 of the RMA is to assist territorial authorities to carry out their functions, to achieve the purpose of the RMA.

Section 73 requires a territorial authority to always have a district plan in place and gives authority to the Council to change its district plan in accordance with the provisions in Schedule 1 RMA. It also mandates the Council to change its district plan to give effect to an operative regional policy statement.

Section 74 sets out the matters to be considered when changing district plans.

Relevant to this plan change is that Section 74 requires that the Council:

- Considers its functions (Section 31), Part 2 RMA matters (i.e. the purpose and principles of the RMA), and its duty to consider alternatives, benefits, and costs (Section 32);
- Have regard to the proposed regional policy statement, management plans and strategies prepared under other Acts and consistency with the plans of adjacent territorial authorities;

Section 75(3) mandates a district plan to give effect to certain planning instruments. The planning instruments relevant to this plan change to which effect must be given under Section 75(3) is the Operative Wellington Regional Policy Statement.

Section 75(4) requires that a district plan must not be inconsistent with certain planning instruments.

The only Section 75(4) planning instrument relevant to this plan change is the Operative Wellington Regional Policy Statement.

Section 76(4A) of the RMA, under the to the RMA (2009) removes rules for tree protection except under specific circumstances. Section 76(4A) of the RMA states that a rule must not prohibit or restrict the felling, trimming, damaging or removal of any tree or group of trees in an urban environment unless the tree or group of trees is specifically identified in the Plan. In this instance, all protected trees are listed in Appendix 1.4 of the District Plan.

Overview of proposed change to the Wairarapa District Plan

The following changes are proposed:

- (1) That 104 trees or groups of trees be added to the Appendix based on suggestions from the public and Tree Advisory Group.
- (2) That 45 trees be removed from the Appendix because the trees have either been removed or do not meet the STEM score threshold recommended by Mr Hill.
- (3) That changes are made to correctly identify species and locations. This includes adding and correcting common and scientific names of trees and including and correcting quantity of species protected on any one site.
- (4) Further, it is proposed to update the planning maps to clearly identify the location of protected trees through GPS co-ordinates.

It is also suggested that Council information on tree addresses, tree reference identifications, species, STEM scores and quantity of species for tree group listings as per the provided reports by Mr Hill are noted as part of the section 32 report. This information will be kept by Council for future reference, and as background information that may be used at the time a resource consent application to remove or alter the tree is being assessed. The information is public and can be used by land owners and others.

The detail of proposed changes to the Wairarapa Combined District Plan are presented as Appendices in the Council officer's report as follows:

Appendix 1:

Proposed South Wairarapa District Table to be inserted into *Appendix 1.4* Notable Tree's WCDP Volume 1 (page 28-13 – 28-17)

Appendix 2:

Proposed Notable Tree Register data as appears in draft form in Planning Maps dated 4 Dec 2018.

The additional Council information that is considered part of the section 32 report is contained in the following appendices to the Council officer's report:

Appendix 3:

Summary of Notable Tree Evaluations by Paper Street Tree Company dated 3 July 2018

Appendix 4:

STEM Explanatory Notes by Paper Street Tree Company dated 3 July 2018

Assessment of Greater Wellington Regional Council Regional Policy Statement planning provisions

The Wairarapa Combined District Plan must give effect to the provisions of the Wellington Regional Council's Regional Policy Statement.

The statement has no specific provisions that require the protection of trees.

The main policies that are relevant are:

Policy 22: Protecting historic heritage values

District and regional plans shall include policies, rules and/or other methods that:

- (a) protect the significant historic heritage values associated with places, sites and areas identified in accordance with policy 21, from inappropriate subdivision, use, and development;

Comment:

The district plan's tree policies and rules are protecting significant heritage values. The proposed plan change promotes that the protection methods are up to date and relevant.

Policy 23: Identifying indigenous ecosystems and habitats with significant indigenous biodiversity values.

District and regional plans shall identify and evaluate indigenous ecosystems and habitats with significant indigenous biodiversity values.

Comment:

The district plan's tree policies and rules include protection of indigenous ecosystems and habitats with significant indigenous biodiversity values. The proposed plan change promotes that the protection methods are up to date and relevant.

Policy 25: Identifying outstanding natural features and landscapes

District and regional plans District and regional plans shall identify outstanding natural features and landscapes having determined that the natural feature or landscape is:

- (a) exceptional or out of the ordinary; and

(b) that its natural components dominate over the influence of human activity, after undertaking a landscape evaluation process, taking into account a number of specified values.

Comment:

The district plan's tree policies and rules include protection of outstanding natural features and landscapes. The proposed plan change promotes that the protection methods are up to date and relevant.

Conclusion

The proposed plan change gives appropriate effect to provisions of the Wellington Regional Council Regional Policy Statement.

Review, consultation and research Process

Review of Appendix 1.4

Trees are important in terms of place making, amenity levels and recognition of heritage values. Notable trees deserve protection. This approach is common across the three Wairarapa councils.

The overall approach to district plan tree protection in South Wairarapa is not proposed to change.

The sole purpose of the change is to ensure that the Appendix identifying trees that are worthy of protection is up to date and that all additional trees that have been suggested as being worthy of inclusion in the Appendix have been properly assessed.

Review of trees suggested by the public

Following the July 2017 Council meeting, the public were asked to nominate trees that they felt may be significant and worthy of inclusion.

Meetings were held in July 2017 with the Martinborough, Greytown and Featherston Community Boards, and the Council's Maori Standing Committee, where members were asked to nominate any trees that they thought were worthy of inclusion in the Appendix. At the same time the wider community was asked to come forward and suggest alterations to the Appendix to ensure it was up to date and properly reflective of trees that are worthy and in need of district plan protection.

Public notices were also placed in local media, and press releases distributed inviting people to suggest notable trees that would be worthy of district plan protection.

As a result, a further 53 trees or groups of trees have been proposed by members of the public. Almost all these trees were suggested by the owners of the land containing the trees.

Review of trees suggested by the Tree Advisory Group in Greytown.

A meeting was held with the Greytown Tree Advisory Group on 30 July 2017, inviting that group to suggest additional trees that could be included.

Approximately 82 sites with 227 trees have been proposed for inclusion in the district plan appendix by the Tree Advisory Group. Of these, four sites with trees were also suggested by the public.

Arborist review

Method

The Council then engaged Mr Richie Hill of Paper Street Tree Company to assist in this specialised area of work. Mr Hill is an experienced arborist who has been advising several councils in New Zealand on its tree protection policies and district plan statutory protection mechanisms under the Resource Management Act.

Mr Hill's report (STEM EXPLANATORY NOTES for South Wairarapa District Council Heritage Trees, dated 3 July 2018) is included in Appendix 3.

Mr Hill uses the STEM method which provides a quantitative measure for the assessment of trees. The STEM method lists a range of criteria on which to score trees and compares the relative merits of trees on a point system.

The STEM method is widely accepted for the evaluation of heritage and notable trees for district plans around the country. It is being used by more than 30 local authorities in New Zealand.

Mr Hill recommends that trees be listed if STEM scores exceed the values below for currently listed trees and where land owners agree with such a listing. He suggests that different threshold scores be used for four different categories of trees.

1. Trees of national interest

- A tree associated with an international head of state or another figurehead.
- The top 5 New Zealand indigenous champion trees in any species.
- Any exotic tree confirmed to be in the top 5 in the world.
- Trees rare in New Zealand; of the earliest known plantings or of large diameter, height or canopy spread (in the top ten minus the top 5 which would be international).
- Remnant of an original native forest tract.
- Trees considered nationally as outstanding specimens.

2. Historic trees

- Trees associated with a significant local person or important event (jubilee, centenary etc).
- Trees associated with early Maori and European historical legend/settlement.
- Trees associated with a prominent national figure.

3. Landscape trees

- Largest trees in any one of the three dimensions of their species known in the region.
- Rare or botanically unique local trees, earliest plantings in the district, prominent or landmark tree.
- Generally, such trees include trees over 50 years old

4. General trees

- All other trees of particular interest for general intrinsic qualities.

Most listed trees in the South Wairarapa District are of historic interest, followed by trees with landscape interest.

A lower STEM score for national interest trees is appropriate because such trees are important because of their association with historic events rather than intrinsic tree qualities.

Local historic heritage trees are particularly important in forming the character of South Wairarapa's three towns, and Mr Hill says that a lower STEM threshold score for such trees is necessary to ensure that those heritage trees are adequately protected.

Landscape trees are also important because of overall landscape context, whereas general trees, which are important for intrinsic qualities only should only be included if those qualities are very high.

Because of this, Mr Hill recommends the following threshold scores to decide whether currently listed trees and trees suggested to be added should be included in the Appendix. These scores apply where land owners agree with such listings.

- Trees of national interest exceeding a STEM value of 110
- Trees of historic value exceeding a STEM value of 120
- Trees of landscape value exceeding a STEM value of 130
- Trees of general value exceeding a STEM value of 140

If there is no land owner approval for new trees, Mr Hill's view is that the STEM score level should exceed 210 before statutory district plan protection is imposed. This is because at this very high level the Council can readily justify in a statutory hearing or Environment Court that the public benefit through protection of the tree will outweigh the private interest considerations of the land owner not wanting to list it.

Process constraints

Each of the trees in the South Wairarapa District which is currently protected through the existing district plan Appendix has been evaluated by Mr Hill.

Mr Hill's review of currently listed trees has been a more complex and expensive task than initially expected and budgeted because of scant or incorrect information on trees, incorrect mapping, and trees having been removed.

Because of budget considerations, Mr Hill has not reviewed listed trees on Council owned land, on the grounds that these trees already have a degree of protection. GPS data on these trees have been given and these will be added to the planning maps.

As a result, a further 53 trees or groups of trees have been proposed by members of the public. Almost all these trees were suggested by the owners of the land containing the trees.

Mr Hill has also reviewed the trees suggested for inclusion by the general public and the Tree Advisory Group in Greytown.

Mr Hill found that information on the trees suggested by Tree Advisory Group did not have any notability information. Several of the trees proposed were incorrectly identified, were already listed, or had incorrect addresses. On some suggested sites there were no trees of note. It was not clear whether owners had approved the trees for inclusion, or whether there had been consultation.

Council staff and Mr Hill have endeavoured to establish onsite landowner consultation. In respect of 23 cases this resulted in land owner approval for the tree to be included in the Appendix. Mr Hill recommends that in 17 cases the trees have a high enough STEM score to warrant inclusion.

For the remaining 59 sites, landowner approval could not be obtained.

In consultation with the previous Group Manager Mr Murray Buchanan and because of budget constraints, STEM assessing all the proposed trees on those sites was not considered possible.

It was decided that a STEM assessment for trees where there was no land owner agreement for inclusion, would only be carried out where a tree or group of trees was estimated to meet a threshold of 210 points. These assessments were carried out from the roadside.

Arborist findings

Mr Hill's recommendations have the effect that:

- (1) That 104 trees or groups of trees should be added to the Appendix based on suggestions from the public and Tree Advisory Group.
- (2) That 45 trees should be removed from the Appendix because the trees have either been removed or do not meet the STEM score threshold recommended by Mr Hill.

- (3) That changes should be made to correctly identify species and locations. This includes adding and correcting common and scientific names of trees and including and correcting quantity of species protected on any one site.

Mr Hill did not propose to change the number of trees located on Council land.

This Mead oaks in 21, Wood Street, Greytown reached a STEM score of 210 and on that basis should be included in the Appendix, despite the land owner not agreeing to this.

Mr Hill also considered a copper beech located on 134 Main St Greytown. The land owner does not support inclusion. With 170 points, the STEM score for that tree fell short of the 210 points. Mr Hill has stated that in his professional opinion he would not be able to support the inclusion of this tree in the Appendix. Accordingly, this tree is not suggested for inclusion.

Evaluation

Mr Hill's approach is a pragmatic, practical, reasonable and financially prudent approach to deal with the task of updating and correcting the tree appendix register. It will avoid submissions from landowners who have trees on their land that may otherwise be worthy of protection but where they have concern or are opposed. Such a process could potentially be very costly to Council.

This proposed approach properly reflects property rights and recognises that land owners do have certain rights about what may be done on their land, and that only if the public interest values of trees are very high, should the Council have duty to protect such trees through the district plan, even when the land owner does not support this.

On that basis the approach proposed by Mr Hill is sound and that it can be used as the basis of the proposed plan change.

Section 32 cost/benefit analysis

This section of the report provides a summary of the different regulatory options, costs and benefits considered during this plan review process, as required under s32 RMA.

In broad terms, the purpose of the section 32 analysis is to ensure:

- That the costs borne by individuals and the community are the most practicable, and consistent with achieving the purpose of the RMA; and
- That the proposed plan provisions are necessary and more appropriate (efficient and effective) than the alternatives.

To achieve its purpose, a section 32 analysis must therefore evaluate:

- The benefits and costs of the environmental, economic, social and cultural effects that are anticipated from the rules or other methods; and
- The risk of acting or not acting if there is uncertain or insufficient information about the subject matter of the policies, rules and other methods.

The following steps have been carried out for this plan review:

- Review the Appendix identifying existing trees protected by the District Plan.
- Consider suggestions to add previously unprotected trees to the Appendix

Consistency with the purpose of the Act

It is considered that the proposed plan change is consistent with the purposes and principles of the RMA. The Plan Change seeks to provide for the sustainable management of significant trees in the District.

Currently listed trees and groups of trees and trees and groups of trees as suggested by members of the public and the Greytown based Tree Advisory Group have been assessed. Those assessed as being significant in terms of nationally used STEM scores and advice from a professional arborist are proposed to be included in the updated Appendix 1.4 of the District Plan. This will promote their protection.

The trees that are proposed to be protected have significant amenity, ecological and heritage values, which is considered to provide for the communities' wellbeing and safeguarding the life supporting capacity of the environment.

The importance of the protection of outstanding natural features, areas of significant vegetation and the protection of historic heritage are matters of national importance in Section 6 of the RMA.

The protection of significant trees is considered consistent with the matters outlined in Section 6.

Section 7 of the RMA (other matters) states that particular regard be given to the maintenance and enhancement of amenity values as well as the maintenance and enhancement of the quality of the environment. It is considered the protection of trees through this Plan Change specifically provides for the protection or the maintenance of amenity values and the maintenance and enhancement of the quality of the environment in the District.

It is considered that Section 8 of the RMA has been considered through consultation with the Council's Maori Board.

For the reasons mentioned above, it is considered that the proposed Plan Change appropriately gives effect to the purpose and principles within Part 2 of the RMA

| Description | Option 1 Retain current schedule | Option 2 Add to current schedule with additions based specific STEM scores (see footnote ² below) | Option 3 As Option 2 with higher or lower STEM scores |
|-------------|--|---|---|
| Benefits | <p>No need to undertake a separate plan change.</p> <p>No changes to rules and associated costs to Council and land owners, providing certainty.</p> | STEM values suggested by professional arborist provides for a good level of tree protection and allows for the ongoing update of Appendix 1.4 | The likely benefits of a higher STEM value threshold would mean only a small number of trees would be protected. Costs to Council and land owners would be lower. |

² **STEM scores used:**

Trees are recommended to be listed if STEM scores exceed the values below where land owners agree with such a listing:

- *Trees of National interest exceeding a value of 110*
- *Trees of historic value exceeding a value of 120*
- *Trees of landscape value exceeding a value of 130*
- *Trees of general value exceeding a value of 140*

If there is no land owner approval, Mr Hill's view is that the STEM score level should exceed 210 before a decision is made to include a tree in the Appendix.

| | | | |
|--------------|---|--|---|
| | <p>Regulatory and enforcement options would still be available for those trees currently protected.</p> | <p>Public notification of the plan change will enable any interested party to participate in the plan change through the submission process, increasing the quality of the decision making and legitimacy of decisions.</p> <p>Criteria contained in assessment of trees provides a fair and quantitative assessment for the basis of the identification of any potential protected trees.</p> <p>The inclusion of protected trees in the Appendix involves documentation and recording of information specific to that tree, or group of trees, therefore preserving the knowledge and history associated with a tree or group of trees.</p> <p>Protection of trees will retain amenity, ecological and heritage values in the District</p> | <p>A lower STEM threshold would protect a larger number of trees in the District, providing for protection of more amenity, ecological and heritage values.</p> |
| <p>Costs</p> | <p>Appendix will remain out of date.</p> | <p>Costs of preparing the plan change.</p> | <p>A higher STEM value threshold would reduce the number of protected trees in the District.</p> |

| | | | |
|--|--|--|--|
| | <p>Trees that are currently protected may not be worthy of protecting.</p> <p>No new trees will be added to the Schedule, creating inconsistencies across the District.</p> <p>Does not achieve environmental enhancement.</p> | <p>Possibility of the plan change being challenged through the submission and appeal processes.</p> | <p>This could potentially result in a significant loss of amenity, ecological and heritage values in the District.</p> <p>A lower STEM threshold would mean that there would be more land owners affected, and more costs to those land owners and the Council.</p> <p>There would potentially also be more challenges of the inclusion of additional trees through the submission and appeal processes.</p> |
| Economic growth and employment effects | <p>Trees are adding to local character and amenity values.</p> <p>Protection of trees helps to build sound local economic conditions</p> | <p>Trees are adding to local character and amenity values.</p> <p>Protection of trees helps to build sound local economic conditions</p> | <p>Trees are adding to local character and amenity values.</p> <p>Protection of trees helps to build sound local economic conditions</p> |
| Effectiveness/efficiency | <p>This option would not be the most effective.</p> | <p>The proposed STEM values provide for the protection of highest quality trees across the District.</p> | <p>A higher STEM threshold would provide a lower number of protected trees. This would provide for efficiencies in Council processes and costs.</p> |

| | | | |
|---------------------|---|---|---|
| | The Appendix would include trees that are no longer worthy of protection and would exclude additional trees that are. | Trees that are not of a very high quality are not protected, and there are no costs associated with those trees falling on the Council, or land owners. | A higher or lower STEM threshold is not effective in achieving the right balance between protection of trees and unnecessary restrictions on landowners. |
| Risks of not acting | The risk of the status quo is that the notable Appendix will remain out of date, and trees worthy of protection may be damaged or lost. | It is considered that there is enough information to update Appendix 1.4 based on professional arborist assessment. | <p>The appropriate STEM value has been professionally chosen.</p> <p>A higher STEM value could mean that only some of the very best trees would be protected and the amenity and heritage values of places would be at risk.</p> <p>A lower STEM value would create unreasonable compliance costs, and land owner resentment.</p> |

Preferred option

Based on this analysis it is proposed to implement Option 2 as above.

Appendix A

Notable tree rules of the Wairarapa District Plan

21.1.1. Notable Trees and Street Trees

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Permitted activities

- (a) Any activity affecting any tree listed in Appendix 1.4 which meets the following standards:
- (i) No activity shall result in more than minor trimming of any tree in Appendix 1.4, where minor trimming means:
 - (1) The removal of broken branches, deadwood or diseased vegetation;
 - (2) The removal of branches interfering with buildings, structures, overhead wires or utility networks, but only to the extent that the branches are touching those buildings, or structures, or interfering with those overhead wires or utility networks; or
 - (3) Other trimming necessary to maintain the health of a listed tree, certified by a person with an appropriate level of expertise.
 - (ii) The minor trimming of any tree shall not adversely affect the health or appearance of the tree.
 - (iii) No activity within the earth below the dripline of a listed tree shall result in:
 - (1) The destruction, removal or partial removal of the listed tree;
 - (2) The alteration of existing ground levels by excavation or deposition of soil including thrust boring and directional drilling;
 - (3) The covering of the ground by any building or structure or the storage of goods, including the parking of vehicles;
 - (4) The laying of any impervious surface; or

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- (5) The discharge of any toxic substance hazardous to the tree, unless a person with an appropriate level of expertise certifies that the health of the tree will not be adversely affected.

2(h) (b) Any activity affecting any street tree which meets the following standards:

- (i) No activity shall result in more than minor trimming of any street tree, where minor trimming means:
 - (1) The removal of broken branches, deadwood or diseased vegetation;
 - (2) The removal of branches interfering with buildings, structures, overhead wires or utility networks, but only to the extent that the branches are touching those buildings, or structures, or within the Growth Limit Zone for overhead wires or utility networks; and
 - (3) All trimming is to be certified by a person with an appropriate level of expertise.

Note: For the purposes of the above rule, the “Growth Limit Zone” is the area surrounding an overhead wire or network utility as specified in the Electricity (Hazards from Trees) Regulations 2003.

- (ii) The minor trimming of any tree shall not adversely affect the health or appearance of the tree.

Exception:

- (i) Any activity affecting a street tree is a permitted activity where the work is undertaken in accordance with the Council Street Tree Policy.

21.4 Restricted Discretionary Activities

21.4.1. The following are Restricted Discretionary Activities:

Work Undertaken on a Notable Tree or Street Tree

Any work undertaken on a Notable Tree listed in [Appendix 1.4](#) or any Street Tree not undertaken in accordance with the standards for permitted activities, or which involves removing or pruning the tree.

Discretion is restricted to the following matters:

Ensuring that any adverse effects on the tree's health are avoided, remedied or mitigated through the use of appropriate arboricultural techniques;

Ensuring that the work undertaken minimises any alteration to the particular factors which led to the tree being scheduled;

Options for the tree's management, including relocation or protection;

Disposal of timber;

Archival recording; and

Replacement planting.

Appendix A

Notable tree rules of the Wairarapa District Plan

21.1.2. Notable Trees and Street Trees

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Permitted activities

- (c) *Any activity affecting any tree listed in Appendix 1.4 which meets the following standards:*
- (i) No activity shall result in more than minor trimming of any tree in Appendix 1.4, where minor trimming means:
 - (1) The removal of broken branches, deadwood or diseased vegetation;
 - (2) The removal of branches interfering with buildings, structures, overhead wires or utility networks, but only to the extent that the branches are touching those buildings, or structures, or interfering with those overhead wires or utility networks; or
 - (3) Other trimming necessary to maintain the health of a listed tree, certified by a person with an appropriate level of expertise.
 - (ii) The minor trimming of any tree shall not adversely affect the health or appearance of the tree.
 - (iii) No activity within the earth below the dripline of a listed tree shall result in:
 - (1) The destruction, removal or partial removal of the listed tree;
 - (2) The alteration of existing ground levels by excavation or deposition of soil including thrust boring and directional drilling;
 - (3) The covering of the ground by any building or structure or the storage of goods, including the parking of vehicles;
 - (4) The laying of any impervious surface; or

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- (5) The discharge of any toxic substance hazardous to the tree, unless a person with an appropriate level of expertise certifies that the health of the tree will not be adversely affected.

(d) Any activity affecting any street tree which meets the following standards:

- (i) No activity shall result in more than minor trimming of any street tree, where minor trimming means:
 - (1) The removal of broken branches, deadwood or diseased vegetation;
 - (2) The removal of branches interfering with buildings, structures, overhead wires or utility networks, but only to the extent that the branches are touching those buildings, or structures, or within the Growth Limit Zone for overhead wires or utility networks; and
 - (3) All trimming is to be certified by a person with an appropriate level of expertise.

Note: For the purposes of the above rule, the "Growth Limit Zone" is the area surrounding an overhead wire or network utility as specified in the Electricity (Hazards from Trees) Regulations 2003.

- (ii) The minor trimming of any tree shall not adversely affect the health or appearance of the tree.

Exception:

- (iii) Any activity affecting a street tree is a permitted activity where the work is undertaken in accordance with the Council Street Tree Policy.

21.4 Restricted Discretionary Activities

21.4.1. The following are Restricted Discretionary Activities:

Work Undertaken on a Notable Tree or Street Tree

Any work undertaken on a Notable Tree listed in [Appendix 1.4](#) or any Street Tree not undertaken in accordance with the standards for permitted activities, or which involves removing or pruning the tree.

Discretion is restricted to the following matters:

Ensuring that any adverse effects on the tree's health are avoided, remedied or mitigated through the use of appropriate arboricultural techniques;

Ensuring that the work undertaken minimises any alteration to the particular factors which led to the tree being scheduled;

Options for the tree's management, including relocation or protection;

Disposal of timber;

Archival recording; and

Replacement planting.

