



GREAT LAKE TAUPŌ
Taupō District Council

72 Lake Terrace, Taupō 3330
Private Bag 2005, Taupo Mail Centre
Taupō 3352, New Zealand
T 07 376 0899
F 07 378 0118
E general@taupo.govt.nz
www.taupo.govt.nz

17 January 2017

Joanne Lewis
Lewis Consultancy Limited
PO Box 1563

TAUPO 3351

On all correspondence
please quote:
RM 160403

Dear Joanne

**NOTICE OF DECISION – RESOURCE MANAGEMENT ACT 1991
TAUPO DISTRICT COUNCIL - LAND USE CONSENT**

I am pleased to advise you that your application for land use consent to On-Going Maintenance and Remedial Works on Various Protected Trees was granted on 17 January 2017.

You are entitled to object to all or part of this decision under Section 357A of the Resource Management Act 1991. If you wish to do so, your objection must be made in writing, must state your reasons for objecting and must be served on Council within 15 working days of you receiving this letter.

An invoice for the cost of processing your application will follow. This consent was processed within the statutory timeframes set out in Part 6 of the Resource Management Act. As such, the Resource Management (Discount on Administrative Charges) Regulations 2010 do not apply to the processing fees for this consent.

If you have any questions or concerns about any aspect of your consent or its conditions I would be happy to discuss them with you. I can be contacted by phone on 07 3760 0770 or by email at hwilliams@taupo.govt.nz.

Yours sincerely

Heather Williams
RESOURCE CONSENTS MANAGER



GREAT LAKE TAUPŌ

Taupo District Council

LAND USE: DISCRETIONARY ACTIVITY (NOTABLE AND AMENITY TREE WORKS)

**NOTIFICATION AND LAND USE DECISION
PURSUANT TO SECTIONS 95A-F AND 104, 104B AND 108 OF THE
RESOURCE MANAGEMENT ACT 1991**

CONSENT APPLICATION DETAILS

RESOURCE CONSENT REFERENCE	RM160403
APPLICANT:	TAUPO DISTRICT COUNCIL
SUBJECT:	On-Going Maintenance and Remedial Works on Various Protected Trees.
DATE APPLICATION LODGED:	29 November 2016
DECISION DATE:	17 January 2017
WORKING DAYS:	19

1 DESCRIPTION OF PROPOSAL

1.1 Development Plan & Proposal

Land use consent is sought to undertake on-going maintenance and remedial works on various protected trees.

A recent (2016) report from Arborist Mr Paul Kenny recommended that efforts be made to provide for the maintenance of the protected trees. This was in response to emergency works being undertaken on a notable tree following no action on previously recommended remedial works to ensure the trees continue in a healthy condition.

The application describes the proposal as follows:

It is proposed to authorise on-going maintenance and remedial work on specified Notable and Amenity Trees located on (or overhanging) property managed by Taupo District Council for the purpose of:

- preserving public safety from the risk of falling deadwood or dying limbs;
- ensuring the on-going health of the tree by undertaking appropriate tree maintenance in accordance with sound arboricultural practices;
- maintaining appropriate clearance from public infrastructure (including roads, footpaths, reserves, and power-lines).

In particular the on-going tree maintenance and remedial works for which consent is sought includes the following (and as considered to be appropriate in the opinion of a suitably qualified and experienced arborist authorised by Taupo District Council):

- removal of dead wood and/or broken limbs;

- epicormics removal;
- mulching;
- minor canopy reduction (ie up to 10%);
- applying, adjusting or replacing cobra-bracing;
- minor pruning/trimming work (3cm maximum branch diameter);
- in addition to the above, any other minor works or treatment to the tree for the purpose of promoting the health and well-being of the tree;
- crown-lifting and/or pruning to achieve the clearance of the tree:
 - 2.5m¹ above the surface of a public footpath or walkway (or other public place available to pedestrians, such as parks and reserves);
 - 6m² above the carriageway of a road;
 - 1.6m away from overhead power-lines³;
 - 0.5m⁴ away from overhead telecommunication lines.

Authority is sought to undertake the works listed above in relation to the following Notable Trees (“NT”) and Amenity Trees (“AT”) listed in Schedule 7.3 of the Taupo District Plan:

Table 1 Protected Trees for which consent is sought for on-going maintenance and remedial works	
Notable Trees	Amenity Trees
NT1: Red oak, Story Place, Taupo	AT1: Tasmanian blue gums (6 trees), corner Redoubt Street opposite supermarket
NT2: Alpine ash (2 trees), Lake Terrace (opposite Tui St), Taupo	AT2: Deodar cedar, Harbourmasters house, Ferry Road, Taupo
NT3: Redwood, Taupo District Council carpark	AT3: Common beech, Lake Terrace opposite Subway, Taupo
NT4: Lombardy poplars (26 trees), foreshore, Kinloch	AT4: Common ash, corner of Ruapehu Street and Lake Terrace, Taupo
NT5: Lombardy poplars (5 trees), Lakefront Reserve in front of Kinloch Store	AT5: Pin oak, reserve behind Taupo Fire Station
NT6: Veitch's fir, Tongariro South Domain (near museum), Taupo	AT6: Row of Lombardy poplars (115 trees), western side of Kinloch Road
NT7: Tasmanian blue gum, Ferry Road, opposite Tongariro South Domain, Taupo	AT7: Big-cone pine (28 trees), adjacent to S H 1, opposite Taupo airport
NT8: Golden Cypress, Road Reserve, 5 Crowther Terrace, Taupo	AT11: Common lime, Lions Walk, below 18 Oregon Drive, Taupo
NT18: Red oak, 158 Tamamutu St. Not on Council property but overhangs public road and street (see photo below)	AT12: Common lime, Lions Walk, below 22 Oregon Drive, Taupo
	AT22: Red beech, outside Taupo Police Station gates
	AT23: Snow gum, opposite Kinloch Store
	AT24: Red oak, road reserve outside 47 Taupahi Road, Turangi
	AT25: Red oak, road reserve, outside 208 Taupahi Road, Turangi
	AT26: Common beech, road reserve outside 4 Kokopu Street, Turangi

¹ In accordance with Policy 2.4 and Figure 2, Taupo District Council “Tree and Vegetation Policy” 2014)

² In accordance with Clause 3.2.1, “Specification for Vegetation Control”, NZTA report (Transit New Zealand report C21:1997)

³ In accordance with Table 1, Growth Limit Zones Schedule, *Electricity (Hazards from trees) Regulations 2003*, and generally consistent with 1.5m clearance authorised by RM130186 for AT24 and AT25 in Taupahi Road, Turangi

⁴ There are no statutory clearance requirements in relation to telecommunication lines. Adopt 0.5m as per RM130186 for AT24 and AT25 in Taupahi Road, Turangi.

This application seeks consent for on-going minor maintenance and remedial work as described above. By way of example, works (falling within the scope of works referred to above) are required now to be undertaken in relation to the following protected trees:

Table 2 Notable and Amenity Trees currently requiring maintenance and remedial work (ie examples of works which would be authorised by the consent sought)		
Notable Trees	Proposed Work	Reason for Proposed Works
NT2: Alpine ash (2 trees), Lake Terrace (opposite Tui Street), Taupo.	Remove dead wood and reduce weight from large limb over the road.	Remove dead wood to avoid danger of falling limbs.
NT6: Veitch's fir, Tongariro South Domain by museum.	Crown lift to clear footpath.	Crown lifting to enable reasonable use of public footpath adjacent to tree.
NT7: Tasmanian blue gum, Ferry Road, opposite Tongariro South Domain.	Remove dead wood and crown lift.	Remove dead wood to avoid danger of falling limbs; Crown lifting to enable reasonable use of public footpath adjacent to tree.
NT8: Golden Cypress, Road Reserve, 5 Crowther Terrace, Taupo.	Minor side trim.	Encroaching into street.
NT18: Red oak, 158 Tamamutu Street, Taupo.	Crown lifting for road and footpath clearance.	Crown lifting to enable reasonable use of public footpath adjacent to tree and to avoid nuisance over public road.
Amenity Trees	Proposed Work	Reason for Proposed Works
AT1: group of Tasmanian blue gums, corner Redoubt Street opposite super-market.	Remove dead wood and crown lifting.	Remove dead wood to avoid danger of falling limbs; Crown lifting to enable reasonable use of public footpath adjacent to tree and to avoid nuisance over public road.
AT2: Deodar cedar, Harbourmasters house, Taupo.	Remove broken limbs and crown lifting.	Public safety re falling limbs, and clearance for traffic.
AT3: Common beech, Lake Terrace opposite Subway.	Remove dead wood and crown lifting.	Crown lifting for clearance above public footpath and to avoid nuisance over public road.
AT4: Common Ash, corner of Ruapehu Street and Lake Terrace, Taupo.	Minor crown lift.	Clearance for reserve users.
AT5: Pin oak, reserve behind Taupo Fire Station.	Remove dead wood and crown lifting.	Remove dead wood to avoid danger of falling limbs; Crown lifting for reasonable use of public reserve.
AT23: Snow gum, opposite Kinloch Store	Crown lifting.	Crown lifting for reasonable use of public footpath adjacent to tree and to avoid nuisance over road.
AT24: Red oak, road reserve by 47 Taupahi Road, Turangi	Pruning and crown lifting	Public road and power-lines clearance
AT25: Red oak, road reserve, by 208 Taupahi Rd, Turangi	Pruning and Crown lifting	Public road and power-lines clearance
AT26: Common beech, road reserve by 4 Kokopu St, Turangi	Crown lifting.	Public road clearance issue.

2 SITE DESCRIPTION

2.1 Subject Site

Notable Trees	Image
NT1: Red oak, Story Place, Taupo	
NT2: Alpine ash (2 trees), Lake Terrace (opposite Tui St), Taupo	
NT3: Redwood, Taupo District Council carpark	

NT4: Lombardy poplars (26 trees), foreshore, Kinloch



NT5: Lombardy poplars (5 trees), Lakefront Reserve in front of Kinloch Store



NT6: Veitch's fir, Tongariro South Domain (near museum), Taupo



NT7: Tasmanian blue gum, Ferry Road, opposite Tongariro South Domain, Taupo	
NT8: Golden Cypress, Road Reserve, 5 Crowther Terrace, Taupo	
NT18: Red Oak, 158 Tamamutu St. Not on Council property but overhangs public road and street	

Amenity Trees	Image
AT1: Tasmanian blue gums (6 trees), corner Redoubt Street opposite supermarket	
AT2: Deodar cedar, Harbourmasters house, Ferry Road, Taupo	
AT3: Common beech, Lake Terrace opposite Subway, Taupo	

AT4: Common ash, corner of Ruapehu Street and Lake Terrace, Taupo	 A photograph of a large, mature common ash tree with a dense, rounded canopy of green leaves. The tree is situated at the corner of Ruapehu Street and Lake Terrace in Taupo. In the background, a street lamp and a flagpole with a New Zealand flag are visible. The sky is overcast with grey clouds.	
AT5: Pin oak, reserve behind Taupo Fire Station	 A photograph of a large, mature pin oak tree with a dense, rounded canopy of green leaves. The tree is situated in a grassy reserve behind the Taupo Fire Station. In the background, a fence and some buildings are visible. The sky is clear and blue.	

AT6: Row of Lombardy poplars (115 trees), western side of Kinloch Road



Protect North From Here



Don't Protect South From Here

AT7: Big-cone pine (28 trees), adjacent to S H 1, opposite Taupo airport



AT11: Common lime, Lions Walk, below 18 Oregon Drive, Taupo	
AT12: Common lime, Lions Walk, below 22 Oregon Drive, Taupo	
AT23: Snow gum, opposite Kinloch Store	

AT24: Red oak, road reserve outside 47 Taupahi Road, Turangi



AT25: Red oak, road reserve, outside 208 Taupahi Road, Turangi



AT26: Common beech, road reserve outside 4 Kokopu Street, Turangi

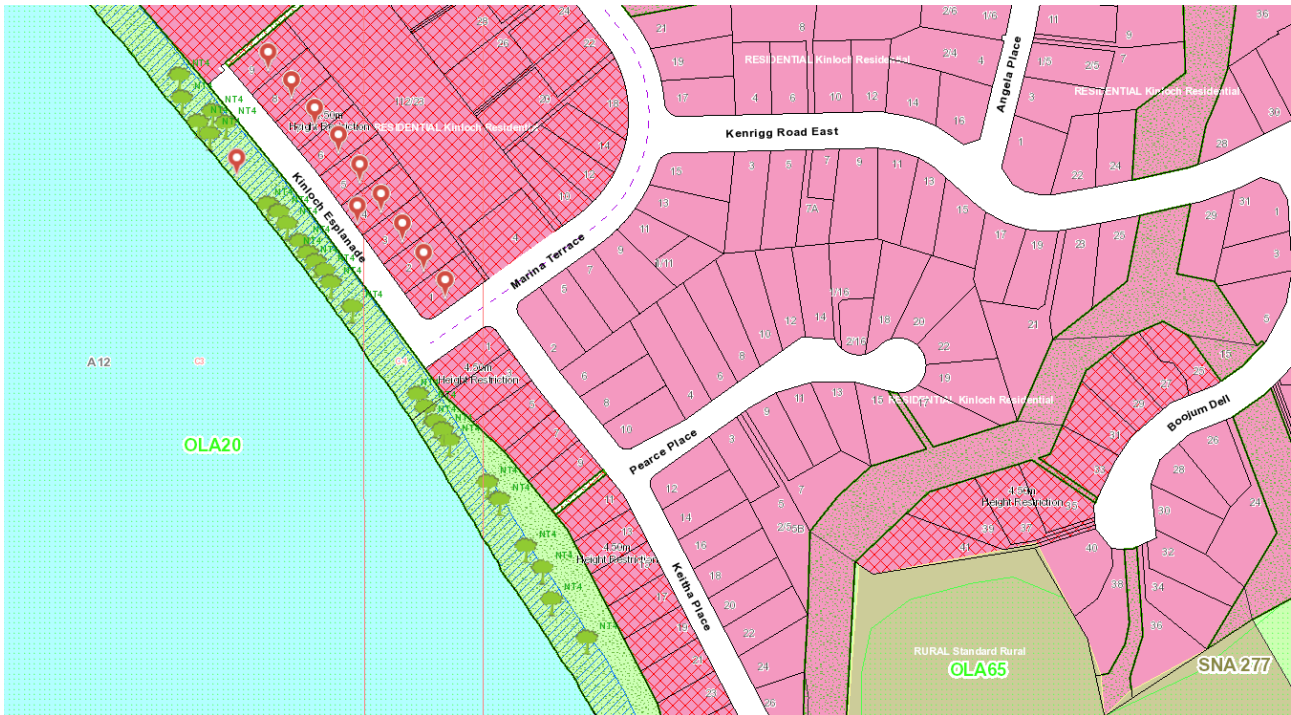


3 TAUPŌ DISTRICT PLAN

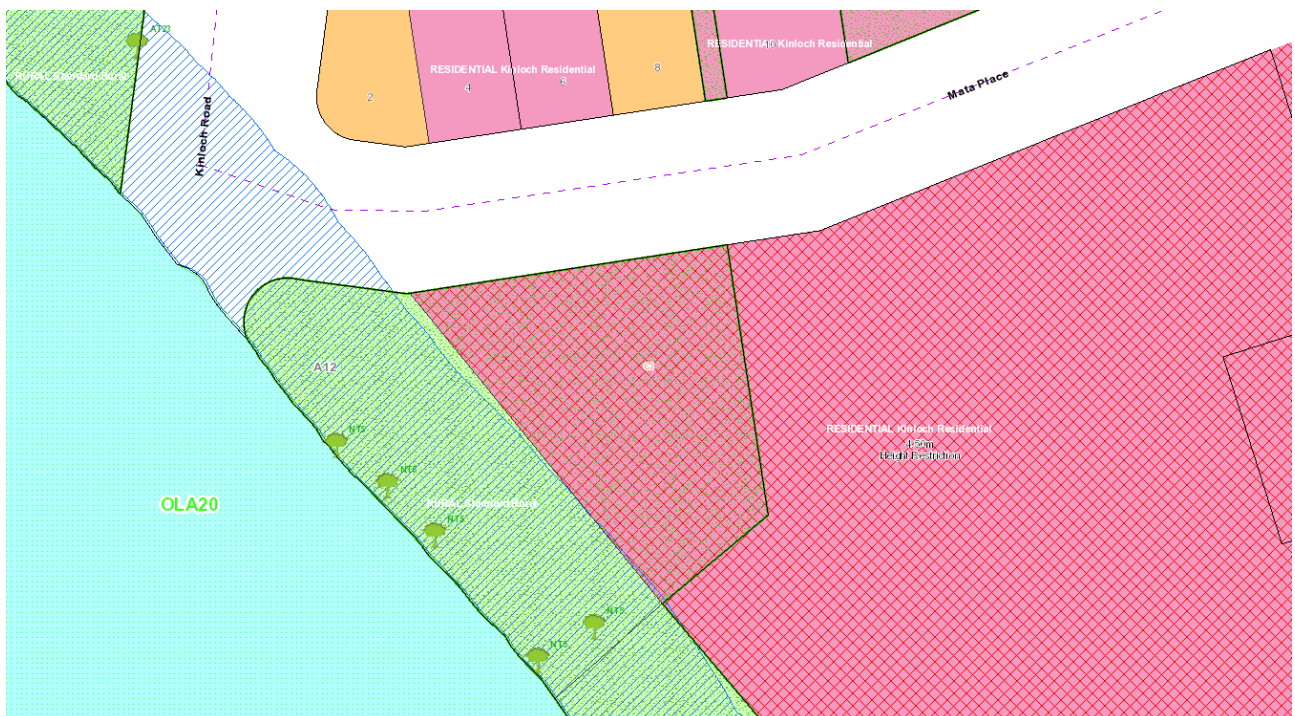
3.1 Environment / Zoning

The trees are all located in different environments but the Taupo District Plan rules for Notable and Amenity Trees are found in the District Wide Section and are therefore not subject to restrictions according to the underlying environment.

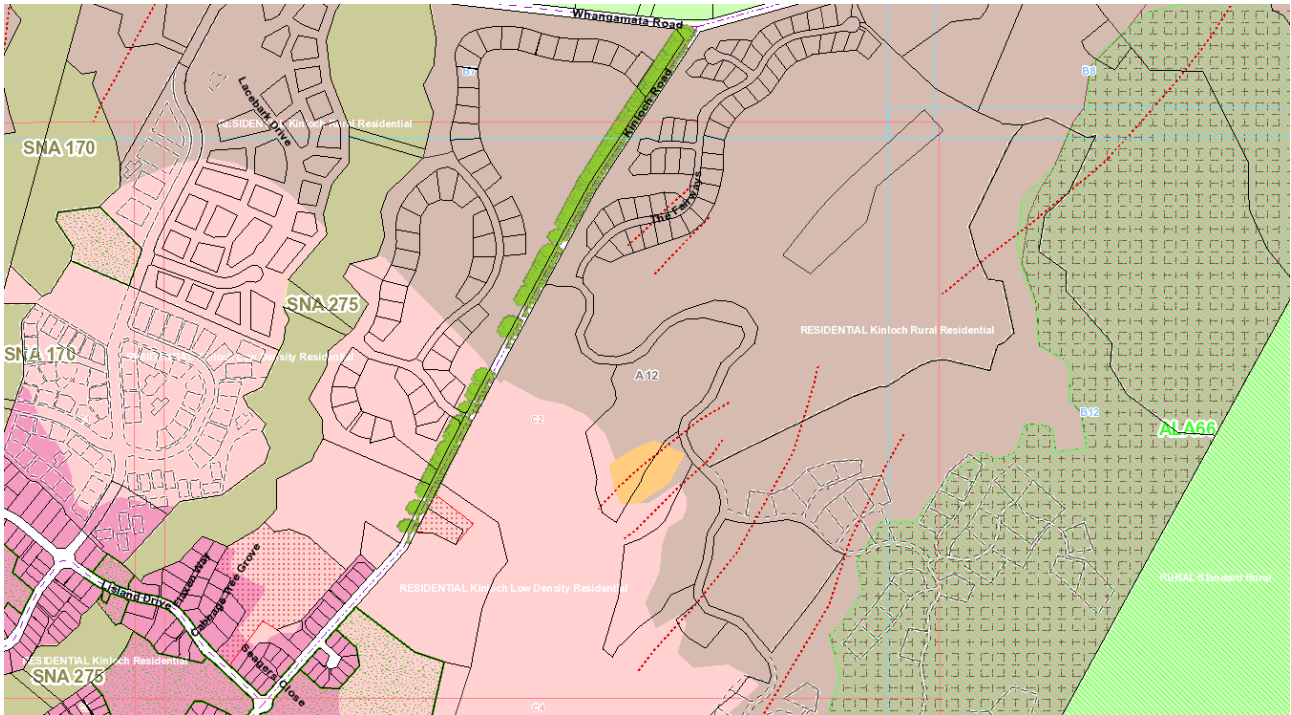
Notable Trees #4- Kinloch Esplanade- Lombardy Poplars (Map C3)



Notable Trees #5 – Kinloch Lakefront infront of Kinloch Store Lombardy Poplars and Amenity Tree #23- Opposite Kinloch Store, Snow Gum (Map C3)

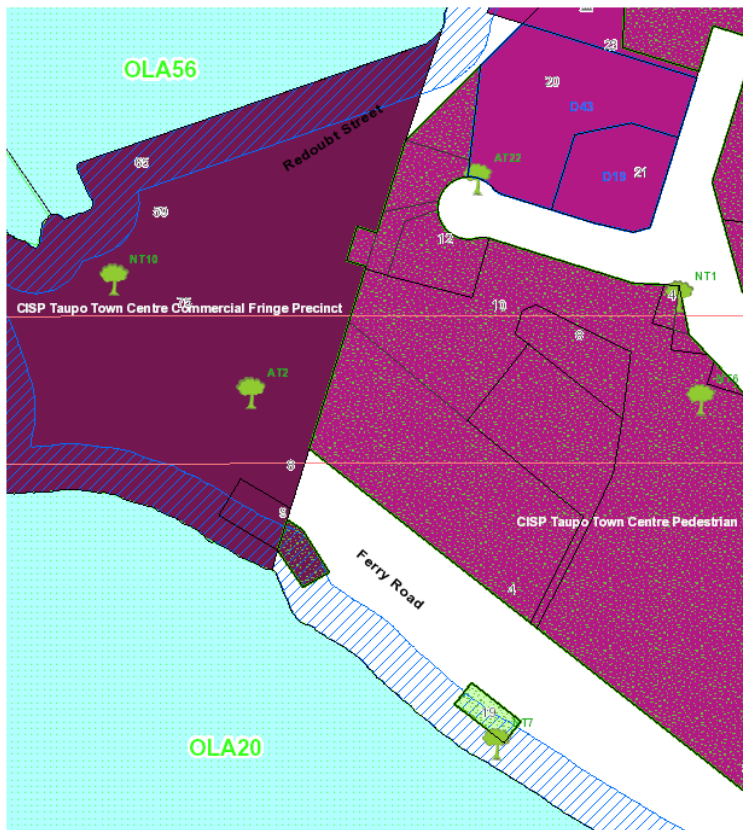


Amenity Trees #6- Lombardy Poplars (115 trees) western side of Kinloch Road (Map C2)

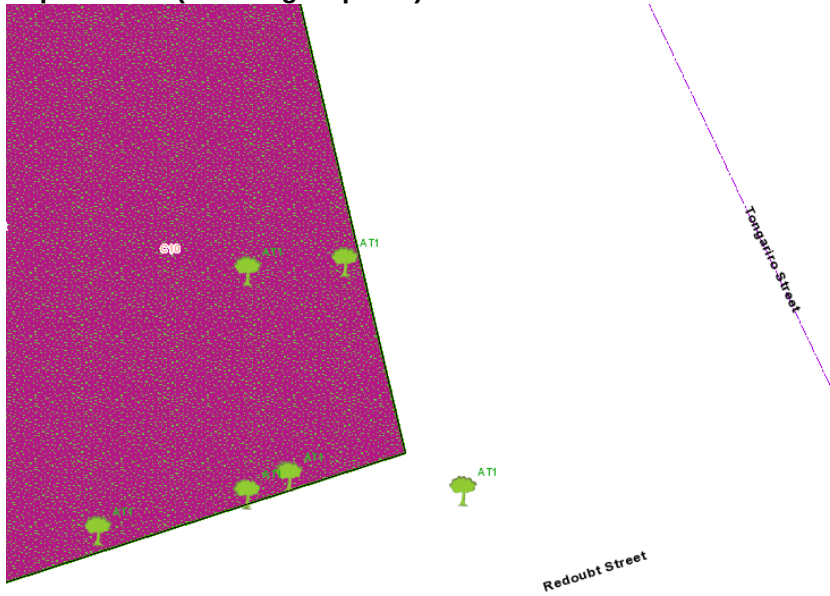


Notable Tree #1, Red Oak, Story Place, Notable Tree #6 Veitch's fir, Tongariro South Domain (near Museum), Notable Tree #7, Tasmanian Blue Gum, Ferry Road opposite Tongariro South Domain

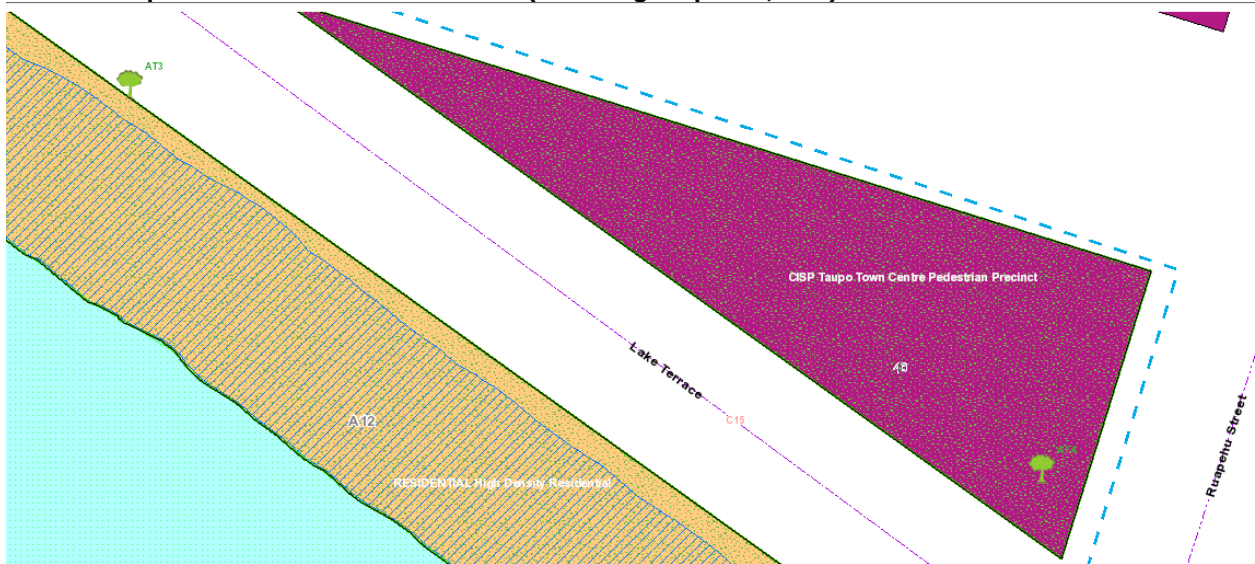
Amenity Tree #2, Deodar cedar, Harbourmasters House, Ferry Road, Taupo (Planning Map C15, A12)



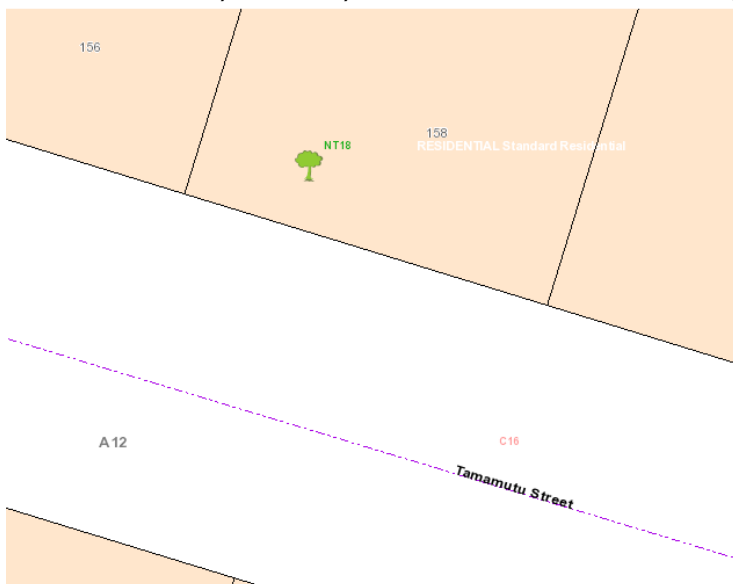
Amenity Trees #1 Tasmanian Blue gums (6 trees) corner of Redoubt Street opposite Countdown Supermarket (Planning Map C10)



Amenity Tree #3 Common Beech, Lake Terrace Opposite Subway, Amenity Tree #4 Common ash, corner Ruapehu Street and Lake Terrace (Planning Map A12, C15)

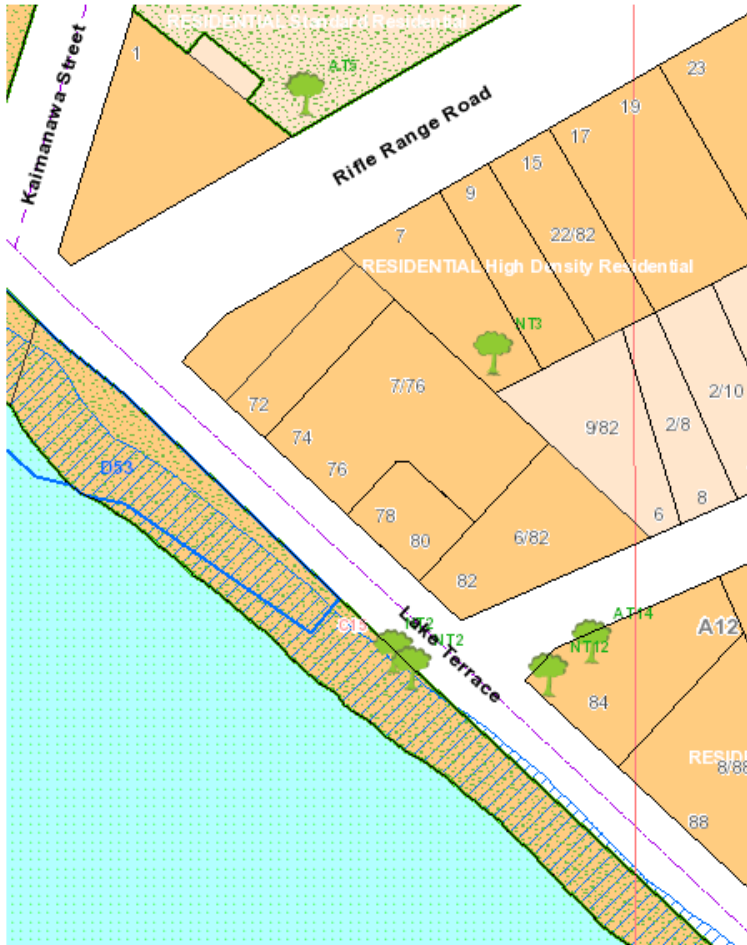


Notable Tree #18, Red Oak, 158 Tamamutu Street Planning Map A12, C16)



Notable Tree #2, Alpine Ash (2 trees), Lake Terrace, Opposite Tui Street, Notable Tree #3, Redwood, Taupo District Council carpark

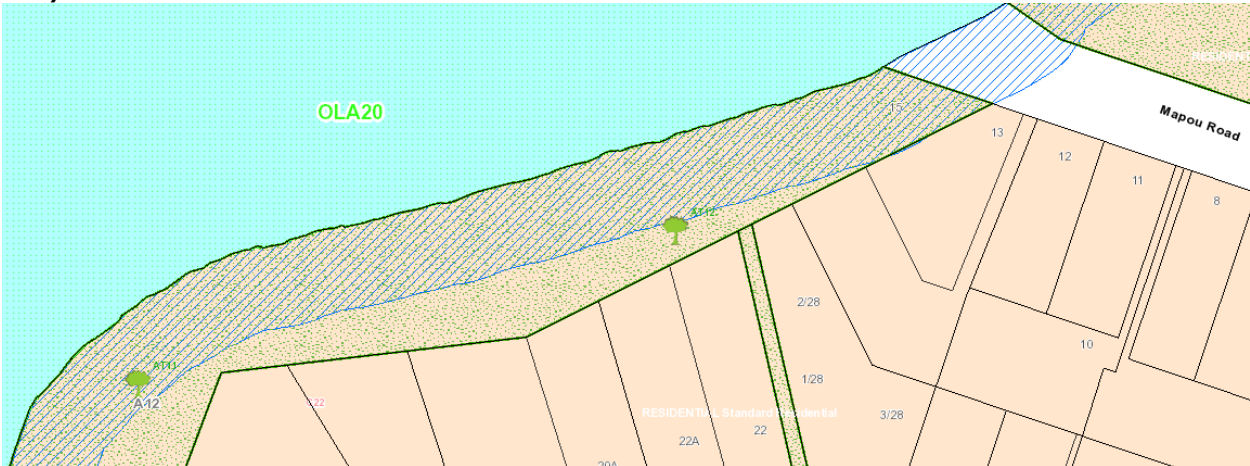
Amenity Tree #5, Pin Oak, reserve behind Taupo Fire Station (Planning Map A12, C15)



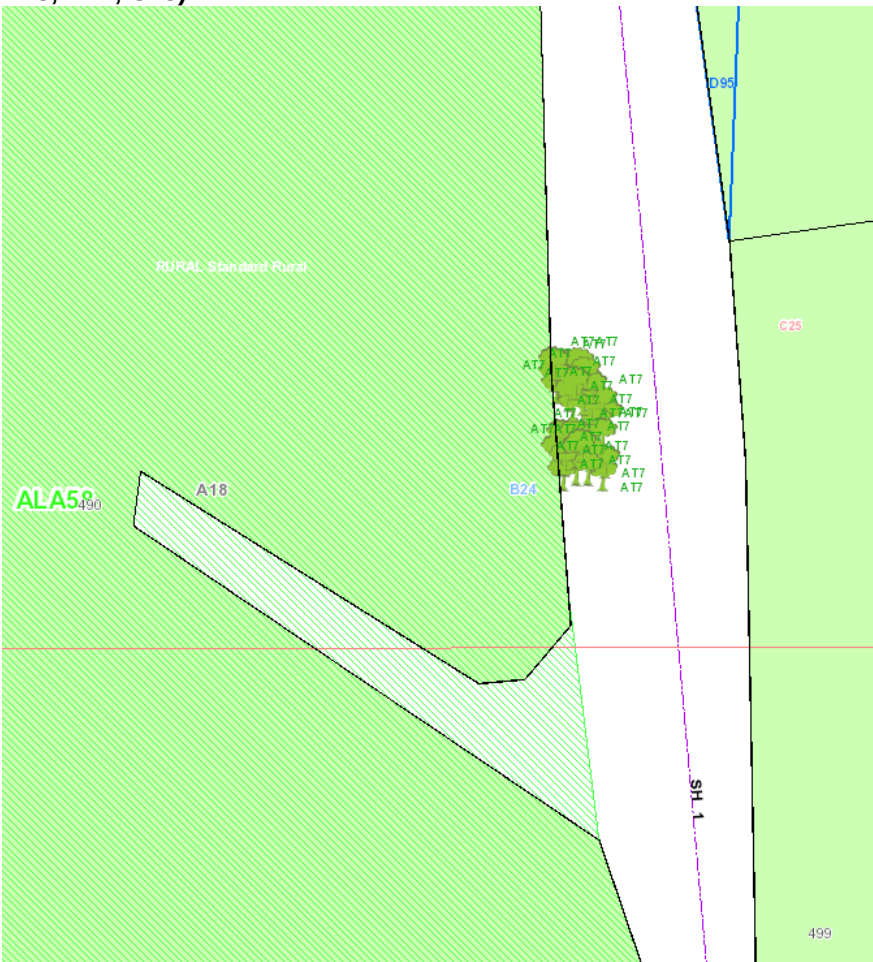
Notable Tree # 8, Golden Cypress Road Reserve, 5 Crowther Terrace. (Planning Map A12, C19)



Amenity Tree #11, Common Lime, Lions Walk, below 18 Oregon Drive, Taupo
Amenity Tree #12, Common Lime, Lions Walk, below 22 Oregon Drive, Taupo (Planning Map A12, C22)



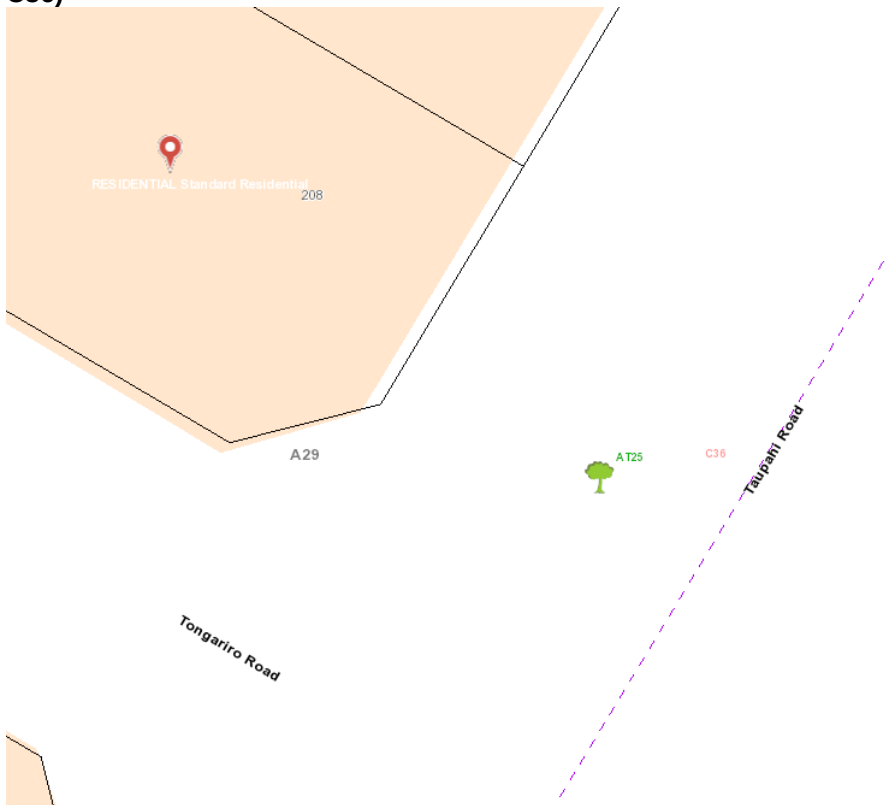
Amenity Trees #7- Big-cone pine (28 Trees), adjacent to AH1 opposite Taupo Airport (Planning Map A18, B24, C25)



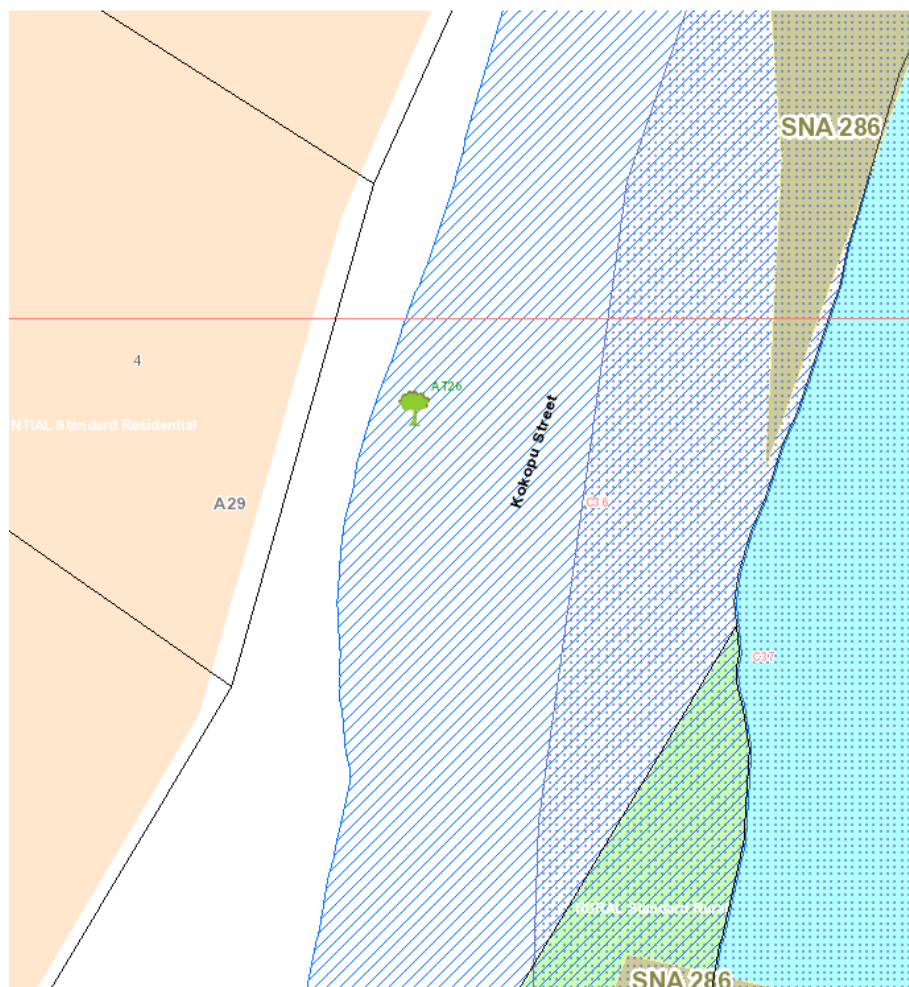
Amenity Tree #24, Red Oak, road reserve outside 43 Taupahi Road, Turangi (Planning Map A29, C36)



Amenity Tree #25, Red Oak, road reserve outside 208 Taupahi Road, Turangi (Planning Maps A19, C36)



Amenity Tree #26, Common Beech, road reserve outside 4 Kokopu Street, Turangi



3.2 District Plan Rules/Performance Standards

The proposal fails the following rules/performance standards in the Taupō District Plan:

NOTABLE TREES RULES

4e.3.1 Any works to a notable tree required for repairing damage or prevent further damage caused by disease or a natural event or process is a **restricted discretionary activity**.

The matters over which the Council reserves discretion for the purposes of assessment are:

- a. Whether the work is required to ensure the ongoing health and function of the tree
- b. The extent of work required to ensure effective mitigation of damage, and the resulting effect on tree form and amenity

4e.3.3 Any minor pruning or works to a notable tree required for general maintenance, or for the improvement of public safety or for the safety of buildings or services is a **discretionary activity**

The proposal does not include any works within the root zones or earthworks and is not expected to alter the STEM score and therefore 4e.3.4 and 4e.3.5 are not considered applicable.

AMENITY TREES RULES

4e.3.6 Any works to an amenity tree required for repairing damage or prevent further damage caused by disease or a natural event or process is a **restricted discretionary activity**.

The matters over which the Council reserves discretion for the purposes of assessment are:

- a. Whether the work is required to ensure the ongoing health and function of the tree
- b. The extent of work required to ensure effective mitigation of damage, and the resulting effect on tree form and amenity.

4e.3.8 The removal or any other alteration, pruning or works to an amenity tree is a **discretionary activity**.

The proposal does not include any works within the root zones or earthworks and is not expected to alter the STEM score and therefore 4e.3.7 is not considered applicable.

Overall, this application must be assessed as a **discretionary activity** in accordance with Taupō District Plan Rule 4e.3.1, 4e.3.3, 4e.3.6 and 4e.3.8.

4 NOTIFICATION ASSESSMENT

95A(2)(b) <i>Has the applicant requested notification</i>	No
95A(2)(c) <i>Does a rule or NES require public notification of the application</i>	No
95A(3) <i>Does a rule or NES precludes public notification and the applicant has not requested public notification</i>	No
95A(4) <i>Do special circumstances exist in relation to the application.</i>	No
95D – Assessment of whether the activity will have, or is likely to have, adverse effects on the environment that are more than minor. 95D(a) – any effects on persons who own or occupy the subject site or adjacent land must be disregarded.	See Section 5
95D(b) <i>Does a rule or NES permit an activity with that effect.</i>	No
95D(c)g <i>Is the proposal a restricted discretionary activity</i>	No
95D(d) <i>Trade competition and the effects of trade competition have been disregarded</i>	Yes
95E(1) <i>A consent authority must decide that a person is an affected person if the activity's effects on that person are minor or more than minor (but not less than minor)</i> <i>In making its decision, the consent authority:</i> • May disregard an adverse effect on a person if a rule or NES permits an activity with that effect • In the case of controlled or restricted discretionary activities, must only consider the effects over which control/discretion have been reserved	See Section 6
95F <i>Are there holders of customary rights orders</i>	No

5 ASSESSMENT OF ADVERSE ENVIRONMENTAL EFFECTS

Section 95D (RMA 1991) – Assessment of whether the activity will have, or is likely to have, adverse effects on the environment that are more than minor.

Section 95D(a) (RMA 1991) – any effects on persons who own or occupy the subject site or adjacent land must be disregarded.

History

Mr Paul Kenny (qualified arborist) undertook an assessment of a number of trees throughout the Taupo District during 2006 in order to assist the preparation of a variation to the Proposed Taupo District Plan in relation to notable trees that was being prepared by the Taupo District Council.

Paul Kenny Contracting Ltd was contracted to investigate a list of potential trees that had been prepared. The contract was to investigate the list and select trees, with supporting information, that had a possibility of achieving 100 points or more using the Stand Tree Evaluation Method (STEM). STEM objectively evaluates specific qualities including form, occurrence, health, stature, visibility and historical significance. It then combines these individual categories to estimate the overall contribution to the community.²

The trees included in the District Plan have come through from this assessment and are now listed in the Taupo District Plan and subject to the restrictions in regards to pruning and tree maintenance that has to be approved through a resource consent.

Current Situation

While these trees are in the District Plan the necessity to apply for a resource consent and generally have the work carried out by a qualified arborist has in some situations resulted in less care and future proofing of the trees occurring. As per the recent advice provided to Taupo District Council arborists from Mr Paul Kenny (Arborist), the ability to undertake a planned programme of works on both Notable and Amenity trees has prompted this consent.

The trees are located in various parts of the District. In general they are within area groupings not limited to but including:

- in the Kinloch lakefront and entrance to Kinloch along Kinloch Road
- near the public space around the Police Station, Museum, Harbourmaster/ Yacht Club
- near the Fire Station, Council Office and Lake front
- the Lions Walk
- Taupahi Road, Turangi

Therefore the trees are in very different locations and the types of trees are also very varied. The commonality is the STEM score they have received that has brought about their recognition and protection.

The proposed works do not involve any works around the roots or dripline and there is no removal or reduction required to aid a proposed building or development given all but one are on public land. 158 Tamamutu Street is on private land but significantly overhangs the public footpath. As a result the proposed works are considered to be a positive step towards the good stewardship and management of these trees into the future.

The scope of works is quite specific and will in many cases improve and lengthen the life of the trees involved.

The specific assessment criteria from the District Plan are assessed below:

² Register of Proposed Notable Trees In Taupo District, for Taupo District Council, Date: February 10th 2006, Introduction

ASSESSMENT CRITERIA

- a. ***Whether the activity is likely to damage any part of the tree, including its roots, or endanger its health or stability.***

The proposed scope of works is limited and does not include any works around the roots. The works will modify the trees and some of their shape in order to remove deadwood but is intended to improve the health and stability rather than damage it.

- b. ***Whether the applicant has the ability to undertake a complying development without work affecting the tree.***

N/A works aren't for the purpose of a development.

- c. ***The visual impact of the tree on its surrounds and the extent to which the tree contributes to the amenity of the neighbourhood and the extent to which the works will adversely affect this.***

The proposed works are not including the removal of any trees. Whilst some trees may require more work than others, the scope is limited which no more than 10% of the canopy to be reduced and no pruning involving a diameter of greater than 3cm.

- d. ***Whether the tree is currently causing, or likely to cause, significant damage to buildings, services or property, whether public or privately owned***

Some of the trees, given their prominent positions in public spaces and their age and tree species are susceptible to potential limb failure that could damage property or persons. As with some of the trees on the Kinloch Esplanade, vehicle access and parking is currently available within close proximity of the trees and the public use the shade of the trees for enjoying the reserve. This does present future, if not current possibilities of damage from potential limb failure or non removal of deadwood. The proposed works also include lifting and clearing foliage from road carriageways, overhead power lines and telecommunication lines and footpaths.

- e. ***The effect of any building on the visibility of the tree from a road or public place***

N/A. No buildings proposed.

- f. ***The extent of nuisance the untrimmed tree is causing.***

In some cases the untrimmed trees where they overhang footpaths in particular such as 158 Tamamutu Street does create a nuisance. Given the majority of trees are in or near areas where the public recreate or walk/ drive the maintenance of the trees is important.

- g. ***The extent to which the proposed works are necessary to preserve or maintain the operating efficiency of any public work, network utilities or the safety and efficiency of a road.***

As above.

- h. ***The extent to which any proposed substitute or compensating tree planting or landscaping will mitigate the loss of amenity or character.***

Given no trees are proposed to be removed and the works are limited no compensation or loss of amenity and character is anticipated.

- i. ***Whether a tree to be removed is capable of being successfully transplanted***

N/A- no tree removal.

- j. ***Whether the tree inhibits the growth of a more desirable specimen nearby.***

Each tree is within its own significant space and does not interfere with other trees except where in a grouping and therefore the overall treatment and care of the grouping is important.

- k. ***The extent to which the removal of one or more species from a group of trees will effect the ecological and/or visual impact of the group.***

N/A –no removal proposed.

- I. In addition to the general criteria above, where the removal or destruction of a tree is proposed, the Council must be satisfied that exceptional circumstances exist which may include:**
- i. Diseased or significantly damaged conditions, except that where any element of uncertainty exists as to the likely fate of the tree and where remedial works may prevent the loss of the tree, the benefit of doubt will be given to the tree's survival, until such time as irreparable or irreversible decline is obvious**
 - ii. Compliance with any statutory or legal obligation**
 - iii. Significant or unusual hardship which cannot be otherwise remedied or avoided**
 - iv. Any other compelling reason.**

N/A- no removal proposed.

As the proposed works are limited in scope, are for the improvement of the health and longevity of the trees and recognises the need to have on going maintenance and remedial works in order to protect and prolong the life of the trees, it is considered that no adverse effects from the proposed works will result.

6 AFFECTED PERSONS

Section 95E(1) (RMA 1991)

A consent authority must decide that a person is an affected person if the activity's effects on that person are minor or more than minor (but not less than minor)

In making its decision, the consent authority:

- *May disregard an adverse effect on a person if a rule or NES permits an activity with that effect*

In the case of controlled or restricted discretionary activities, must only consider the effects over which control/discretion have been reserved

There are not considered to be any affected parties given that the effects of the proposal will be similar to the effects of complying activity; the effects are mitigated to a negligible level; as described under Section 5 of this report.

7 NOTIFICATION DECISION

That the application be considered without the need for public or limited notification, in accordance with Sections 95A-F of the Act.

8 ACTUAL OR POTENTIAL EFFECTS ON THE ENVIRONMENT (SECTION 104 and 104(B))

104 Consideration of applications

(1) When considering an application for a resource consent and any submissions received, the consent authority must, subject to [Part 2](#), have regard to—

- (a) any actual and potential effects on the environment of allowing the activity; and*
- (b) any relevant provisions of—*

- (i) a national environmental standard:*
- (ii) other regulations:*
- (iii) a national policy statement:*
- (iv) a New Zealand coastal policy statement:*
- (v) a regional policy statement or proposed regional policy statement:*
- (vi) a plan or proposed plan; and*

(c) any other matter the consent authority considers relevant and reasonably necessary to determine the application

(3)A consent authority must not,—

- (a) when considering an application, have regard to—
- (i) trade competition or the effects of trade competition; or
 - (ii) any effect on a person who has given written approval to the application:

104B Determination of applications for discretionary or non-complying activities

After considering an application for a resource consent for a discretionary activity or non-complying activity, a consent authority—

- (a) may grant or refuse the application; and
- (b) if it grants the application, may impose conditions under section 108.

See assessment under Section 5 and 6 above

9 OBJECTIVES AND POLICIES

The following objective and policies are considered relevant to this proposal:

3p.3 Objectives and Policies

OBJECTIVE

3p.3.1 To identify and provide for the retention and protection of notable trees.

POLICIES

- ii. Ensure that the health, vigour and function of notable trees are not compromised by any development or other activity.
- iii. Provide for the ongoing care and maintenance of notable trees.

EXPLANATION

By their very nature, notable trees are irreplaceable. Some have been standing for over 100 years, and are part of the history of settlement in this District. A high level of protection is appropriate. Development aspirations, protection of view shafts, or nuisance values will not be considered viable reasons to justify the removal or significant pruning of a notable tree. Similarly, should a notable tree become damaged or diseased, removal will only be considered where remedial works have been attempted and failed, and there is no uncertainty as to the fate of the tree.

OBJECTIVE

3p.3.2 To identify and provide a level of protection for amenity trees.

POLICIES

- i. Maintain the level of amenity provided by **amenity trees** by ensuring that the effects of any necessary alteration or removal can be mitigated.
- ii. Ensure that the health, vigour and function of amenity trees are not compromised by any development or other activity.
- iii. Provide for the ongoing care and maintenance of amenity trees.

EXPLANATION

Amenity trees are protected for the important amenity and botanical values they provide for the District, and represent a developing base for future notable trees. However, they have not reached the threshold required to list them as notable trees, and accordingly more discretion is appropriate when considering their protection.

Discussion on Objectives and Policies

The proposal is in accordance with the Objectives and Policies for the Notable and Amenity Trees. As can be seen above the retention and protection of the trees is the overriding objective and in order to do that there will be the need to undertake work for the ongoing care and health of the trees. The proposal given the scope of the proposed works is limited and will not involve removal or any works in the dripline is considered consistent with the Objectives and Policies.

Relevant Provisions and Other Matters (104(1)(b) and 104(1)(c))*104(1)(b)(i) National Environmental Standards*

There are five National Environmental Standards (NES) that have been prepared under sections 43 and 44 of the Resource Management Act 1991 and are in force as regulations. These cover air quality, human drinking water, telecommunications facilities, electricity transmission and management of contaminants in soil.

National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health

This NES addresses the assessment and management of the actual and potential adverse effects of contaminants in soil on human health from particular activities. The proposal does not involve any of the matters covered by the NES and therefore is not applicable.

No other NES's are applicable to the proposed development.

104(1)(b)(v) Regional Policy

The proposed activity is not considered to be inconsistent with the Regional Policy Statement or Regional Plan.

10 CONCLUSION & RECOMMENDATION

The proposed activity is consistent with the objectives and policies of the Taupō District Plan and any adverse effects on the environment will be minimal/negligible. Therefore it is recommended that the application for ongoing maintenance and remedial works on the subject sites be **granted**.

Report prepared by Heather Williams, Resource Consents Manager.

Report approved and recommendation adopted by Scott Devonport, Consents and Regulatory Manager, under delegated authority pursuant to Section 34 of the Resource Management Act 1991.

11 DECISION (SECTION 104 and 104(B))

Land use consent is granted pursuant to Sections 104 and 104B of the Act, subject to the following conditions imposed under Section 108 of the Act.

This decision has been considered and its issue authorised by Taupō District Council's Consents and Regulatory Manager under delegated authority pursuant to Section 34 of the Resource Management Act 1991 ('the Act') on **17 January 2017**.

12 CONDITIONS OF CONSENT (SECTION 108)**General Conditions**

- 1 The activity shall be undertaken in accordance with:
 - a The application prepared by Lewis Consultancy Limited and received by Taupō District Council on 29 November 2017.
 - b The further information provided by Lewis Consultancy Limited and received on 3 and 13 January 2017.
- 2 Three working days prior to the works commencing for each of the trees, the consent holder shall notify the Council's Consents and Regulatory Manager of the commencement date for the works.

- 3 A qualified level 4 Arborist shall be appointed by the Consent Holder to oversee the site works. Details of the appointed Arborist shall be provided to the Council's Consents and Regulatory Manager with the notification of works under Condition 2.
- 4 The Consent Holder shall hold a 'pre-construction meeting' for the appointed Arborist to brief employees or contractors prior to the commencement of works for each of the trees.
- 5 On completion of the works, the appointed Arborist shall provide written confirmation (including photographs) to the Council's Consents and Regulatory Manager, that the works have been completed in accordance with the scope of the approved application.

Advice Notes

- 1 *The resource consent shall lapse five years after the date of consent unless:
a it is given effect to before the end of that period, or
b upon application made prior to the expiry of that period, the Council fixes a longer period.*
- 2 *The reasonable costs incurred by Taupō District Council arising from the supervision and monitoring of this consent will be charged to the consent holder. This may include routine site inspections to review and assess compliance with the conditions of consent, and responding to complaints or enquiries relating to the consented activity.*
- 3 *Subject to any legal requirements of the Taupō District Council, the Police, Heritage New Zealand Pouhere Taonga Act 2014, Antiquities Act 1975 and any other governing legislation, should a wāhi tapu or archaeological site be uncovered during earthworks or other construction work, work in the affected area shall stop immediately and the consent holder shall seek advice from Taupō District Council's Strategic Communications Officer, tangata whenua, Heritage New Zealand and/or the New Zealand Police (as appropriate) to determine what further actions are appropriate to safeguard the site or its contents before work recommences.*
- 4 *The STEM assessment sheets from the 2006 Paul Kenny Contracting Limited assessment for each tree are appended to this decision to form part of the background information for future reference.*

Tree Assessment InformationTREE ID# *17Location Address: Corner of Redoubt Street and State Highway 1, Taupo.Owner: Taupo District Council/Transit?Planted By: ?Year Planted: 1920 est (exact or estimated?)**TREE DETAILS**Botanical Name: *Eucalyptus globulus*Common Name: Tasmanian blue gum**MEASUREMENTS**Stand/No. of Trees: 6Maximum Height: 29 (m) Minimum Height: 26 (m)Average Height: 27.5 (m) Average Width of Canopy: 12 (m)**NOTES**

Group of 6 trees (2 specimens to the north of main group were not included).

Minor deadwood throughout canopies, recent pruning and dead-wooding is visible in the stand. Roots from the 3 corner trees are lifting the tarmac edge of Redoubt Street and SH1. This is minor and is not likely to be a major concern.

* Future lifting will be required over SH1. The footpath and road is within the root protection zone.



Tree ID #: 17						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
Subtotal Points					63	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	27
Visibility (km)	0.5	1	2	4	8	9
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	15
Subtotal Points					81	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Rarity					
	Endangered					
Subtotal Points					0	
					Total Points	144
Notes:						

TREE ID# *103

Location Address: Harbour Masters House, 3 Ferry Road, Taupo.

Owner: Taupo District Council.

Planted By: ?

Year Planted: 1935 est (exact or estimated?)

TREE DETAILS

Botanical Name: *Cedrus deodara*

Common Name: deodar cedar

MEASUREMENTS

Height of Tree: 25 (m)

Average Width of Canopy: 17 (m)

NOTES

Root growth is lifting the pavement beside the tree. A 10-15cm girdling root is visible around the buttress. Lower branches have been previously pruned to maintain road clearances, stubs have been left.

- * Future canopy lifting will be required to maintain the clearances over Ferry Road. Future root growth will possibly damage current footpath. Footpath and Ferry Road is within root protection zone (footpath within 4m of trunk).



Tree ID #: 103						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	3
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	15
Subtotal Points					63	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
Visibility (km)	0.5	1	2	4	8	9
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points					57	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Rarity					
	Endangered					
Subtotal Points					0	
					Total Points	120
Notes:						

TREE ID# *89Location Address: Lake Terrace (opposite Subway), Taupo.Owner: Taupo District Council.Planted By: ?Year Planted: 1950 est (exact or estimated?)**TREE DETAILS**Botanical Name: *Fagus sylvatica*Common Name: common beech**MEASUREMENTS**Height of Tree: 18 (m)Average Width of Canopy: 12 (m)**NOTES**

Located between path and lake edge. Root damage is visible from the construction of the path and mower damage. There are signs of several smaller girdling roots and tight angles of attachment between the 3 main leaders at 2.5m, with minor included bark visible, although neither show any signs of impending failure. It was listed as *Carpinus betulus*. The form shows that it has endured some extreme weather through its life on this exposed site (its wind swept appearance does give it the features of a *Carpinus betulus*). It would be very difficult to establish any new plantings on the site.

- * Future lifting will possibly be required to maintain clearances over SH1. SH1 and footpath are within root protection zone (both are within 4m of trunk).



Tree ID #: 89						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
Subtotal Points					69	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	21
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	3
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points					51	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Rarity					
	Endangered					
Subtotal Points					0	
					Total Points	120
Notes:						

TREE ID# 92Location Address: Corner of Ruapehu Street and Lake Terrace, Taupo.Owner: Taupo District Council.Planted By: ?Year Planted: 1960 est (exact or estimated?)**TREE DETAILS**Botanical Name: *Fraxinus excelsior*Common Name: common ash**MEASUREMENTS**Height of Tree: 15.5 (m)Average Width of Canopy: 16 (m)**NOTES**

Multiple leaders arise between 1.5-2m. Minor deadwood visible throughout the canopy. Good form which adds to the amenity of the corner.



Tree ID #: 92						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	3
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
Subtotal Points					63	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	15
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points					57	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Rarity					
	Endangered					
Subtotal Points					0	
					Total Points	120
Notes:						

TREE ID # 91

Location Address: Behind Fire Station, Off Rifle Range Road, Taupo.

Owner: Taupo District Council.

Planted By: ?

Year Planted: 1970 est (exact or estimated?)

TREE DETAILS

Botanical Name: *Quercus palustris*

Common Name: pin oak

MEASUREMENTS

Height of Tree: 16 (m)

Average Width of Canopy: 15 (m)

NOTES

Large co-dominant lateral branches arise between 3-5m. Lower canopy has been previously lifted. Moderate form, but adds to the amenity of the open area.



Tree ID #: 91						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	3
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	9
Subtotal Points					45	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	27
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points					69	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Rarity					
	Endangered					
Subtotal Points					0	
					Total Points	114
Notes:						

TREE ID# *93Location Address: Western Side of Kinloch Road, Kinloch.Owner: Taupo District Council/Transit?Planted By: ?Year Planted: 1960 est (exact or estimated?)**TREE DETAILS**Botanical Name: *Populus nigra* 'Italica'Common Name: Lombardy poplar**MEASUREMENTS**Stand (Same species) /No. of Trees: 115 (approximately)Average Height: 21 (m)Average Width of Canopy: 6 (m)**NOTES**

The row extends along the length of Kinloch Road, although there are several gaps from periodic removals.

A development has recently started towards the northern end of the group. Excavations have already occurred to within 2m of the trunks of the 20 northern most trees.

I don't believe every tree in this group deserves notable status, but the feature of the row should be protected. It is important that excavations do not go as close as what the recent path and curbing has gone at the southern end of the group. I believe time is running out for the group as excavations at the northern end will have already had an impact on their future health.

There are other species of trees within the row (e.g. *Eucalyptus* sp.). These should not be protected and can be removed. Individual trees within the row were not structurally inspected. Sub standard trees, or trees with structural issues, may need to be removed from this group after closer inspections, although I believe the majority in the row are good.

- * It appears as though all of the land on the western side of Kinloch Rd will eventually be subdivided. Problems will arise here with the root protection zone extending beyond TDC/Transit land and out into neighboring land. I believe this is worth while pursuing to ensure the rest of this row is not compromised. There will be issues also for Transit/TDC with future road designs and pavements. Engineers will have to alter "normal" designs to prevent damage to the trees, like that which has occurred at the southern end of the row.
- * The southern end of the row has a new development on the western side, a footpath (on the western side) and curbing (on the east) has been constructed within 1.5-2m of the trunks. The health and structural stability of these trees has been compromised as a result of these excavations. The canopy density is significantly thinner than the remainder of the row. I would advise not to list the group of trees from the roundabout to the first corner.



Protect North From Here



Don't Protect South From Here

Tree ID #: 93							
Condition Evaluation							
Points	3	9	15	21	27	Score	
Form	Poor	Moderate	Good	Very good	Specimen	15	
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9	
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15	
Function	Minor	Useful	Important	Significant	Major	9	
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	15	
Subtotal Points					63		
Amenity Evaluation							
Points	3	9	15	21	27	Score	
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	21	
Visibility (km)	0.5	1	2	4	8	21	
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15	
Role	Minor	Moderate	Important	Significant	Major	21	
Climate	Minor	Moderate	Important	Significant	Major	21	
Subtotal Points					99		
Notable Evaluation							
Recognition		Local	District	Regional	National	International	
Points		3	9	15	21	27	Score
Stature	Feature						
	Form						
Historic	Age 100+						
	Association						
	Commemoration						
	Remnant						
Scientific	Relict						
	Source						
	Rarity						
	Endangered						
Subtotal Points					0		
					Total Points	162	
Notes:							

TREE ID# 100Location Address: Adjacent to SH1, Opposite Taupo Airport, Taupo.Owner: Transit/ DOC?Planted By: ?Year Planted: 1950 est (exact or estimated?)**TREE DETAILS**Botanical Name: *Pinus coulteri*Common Name: big-cone pine**MEASUREMENTS**Stand (Same species) /No. of Trees: 28Maximum Height: 12 (m)Minimum Height: 8 (m)Average Height: 10 (m)Average Width of Canopy: 8 (m)**NOTES**

Group was wrongly listed as stone pine (*Pinus pinea*). A Group of 28 trees with varying form. They are well suited to the site as their habitat is dry rocky slopes in the mountains. All have multiple leaders and spreading form, although the typical form is broadly spreading. I believe this group should be listed for their botanical value. An unusual species in New Zealand, especially as a group like this.



Tree ID #: 100						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	21
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
Subtotal Points					69	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1	2	4	8	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points					45	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Rarity					
	Endangered					
Subtotal Points					0	
					Total Points	114
Notes:						

TREE ID# 97b

Location Address: Lions Walk, Below 18 Oregon Drive, Taupo.

Owner: Taupo District Council.

Planted By: ?

Year Planted: 1950 est (exact or estimated?)

TREE DETAILS

Botanical Name: *Tilia x europaea*

Common Name: common lime

MEASUREMENTS

Height of Tree: 17 (m)

Average Width of Canopy: 12.5 (m)

NOTES

Trunk divides into co-dominant leaders at 2m. There is minor included bark at this attachment. The lower canopy has previously been lifted, with visible pruning wounds on the trunk. It is a good specimen of the species with space to grow.



Tree ID #: 97b						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	3
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
Subtotal Points					69	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	3
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points					33	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Rarity					
	Endangered					
Subtotal Points					0	
					Total Points	102
Notes:						

TREE ID# 97a

Location Address: Lions Walk, Below 22 Oregon Drive, Taupo.

Owner: Taupo District Council.

Planted By: ?

Year Planted: 1950 est (exact or estimated?)

TREE DETAILS

Botanical Name: *Tilia x europaea*

Common Name: common lime

MEASUREMENTS

Height of Tree: 18.5 (m)

Average Width of Canopy: 13.5 (m)

NOTES

This tree was not photographed, but I assumed this was the specimen to be assessed. The photograph provided was of tree 98. Pruning wounds are visible on the lower trunk from previous canopy lifting. Mowing has resulted in minor damage to surface roots. A good specimen with space to grow.



Tree ID #: 97a						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	3
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
Subtotal Points					69	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	3
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points					39	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Rarity					
	Endangered					
Subtotal Points					0	
					Total Points	108
Notes:						

TREE ID# *P1Location Address: Opposite Kinloch Store, Corner of Kinloch Road and Mata Place, Kinloch.Owner: Taupo District Council.Planted By: ?Year Planted: 1965 est (exact or estimated?)**TREE DETAILS**Botanical Name: *Eucalyptus pauciflora*Common Name: snow gum**MEASUREMENTS**Height of Tree: 14.5 (m)Average Width of Canopy: 24 (m)**NOTES**

A wide spreading tree that branches at approximately 3m. It is a great feature with distinctive white bark and graceful form. It adds to the amenity of the area. There has been major compaction around the root zone due to foot traffic, although this does not appear to have significantly impacted on the tree's health. Mulching the area would reduce future compaction and encourage root growth.

- * Light canopy lifting will be required periodically to maintain road clearances. Road is within root protection zone.



Tree ID #: P1						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	3
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
Subtotal Points					69	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points					51	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Rarity					
	Endangered					
Subtotal Points					0	
					Total Points	120
Notes:						

TREE ID# *A5 (Submission 018.13.3)

Location Address: Outside 47 Taupahi Road, Turangi

Owner: Taupo District Council

Planted By: ?

Year Planted: 1950 est (exact or estimated?)

TREE DETAILS

Botanical Name: *Quercus rubra*

Common Name: red oak

MEASUREMENTS

Height of Tree: 17 (m)

Average Width of Canopy: 18.5 (m)

NOTES

Is located on street between the footpath and the boundary fence of 47 Taupahi Road. The base of the trunk is approximately 1.5m from the footpath edge. Covered 400 volt power-lines cross the road beneath the canopy on the SW side; previous pruning has been required to maintain the clearance of these lines.

- * Future pruning will be required to maintain clearances over Taupahi Rd and the power-lines. Future root growth will result in the footpath being lifted. This should be minor and there is scope to move the footpath away from the trunk towards the road. Canopy extends over the boundary of 47 Taupahi Rd and Taupahi Rd.



Tree ID #: A5						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	3
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	15
Subtotal Points					51	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points					51	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Rarity					
	Endangered					
Subtotal Points					0	
					Total Points	102
Notes:						

TREE ID# *A6 (Submission 018.13.4)

Location Address: Outside 208 Taupahi Road, Turangi

Owner: Taupo District Council

Planted By: ?

Year Planted: 1950 est (exact or estimated?)

TREE DETAILS

Botanical Name: *Quercus rubra*

Common Name: red oak

MEASUREMENTS

Height of Tree: 17.5 (m)

Average Width of Canopy: 18.5 (m)

NOTES

Is located between the footpath and the boundary of 208 Taupahi Road. Covered 400 volt power-lines pass along the edge of the northern canopy. The driveway to 208 Taupahi Road passes under the northern canopy. A low eastern leader was removed to maintain clearances over Taupahi Road.

- * Future growth will require canopy lifting over Taupahi Road and clearance from the power-lines. This pruning will be minor and will not have a significant impact on the form. Continual root growth will possibly result in the pavement being lifted.



Tree ID #: A6						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	3
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	15
Subtotal Points					63	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points					51	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Rarity					
	Endangered					
Subtotal Points					0	
					Total Points	114
Notes:						

TREE ID # *A9 (Submission 018.13.5)

Location Address: Outside 4 Kokopu Street, Turangi

Owner: Taupo District Council

Planted By: Dr and Mrs R. Kennedy **Year Planted:** 1958 ex (exact or estimated?)

TREE DETAILS

Botanical Name: *Fagus sylvatica*

Common Name: common beech

MEASUREMENTS

Height of Tree: 17 (approx) (m) **Average Width of Canopy:** 18 (approx) (m)

NOTES

Information on tree history supplied by Dr Mark Cosgrove. Situated between the boundary of 4 Kokopu St and a retained bank above Kokopu St. Trunk is approximately 2m away from the edge of the retaining wall. The canopy extends over Kokopu St, the boundary, driveway and the eastern corner of the house at 4 Kokopu St. Lower canopy has been lifted over the boundary and Kokopu St.

- * Future lifting will be required to maintain clearances over the boundary of 4 Kokopu St and the road and possibly the 400 volt power-lines across the road. This pruning will be minor and will not have a significant impact on the trees form. Future trunk and root growth will possibly force the retaining wall out slightly, however this is a long way off and the root growth of common beech is slow and not considered invasive.



Tree ID #: A9							
Condition Evaluation							
Points	3	9	15	21	27	Score	
Form	Poor	Moderate	Good	Very good	Specimen	21	
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15	
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15	
Function	Minor	Useful	Important	Significant	Major	3	
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15	
Subtotal Points					69		
Amenity Evaluation							
Points	3	9	15	21	27	Score	
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15	
Visibility (km)	0.5	1	2	4	8	3	
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15	
Role	Minor	Moderate	Important	Significant	Major	9	
Climate	Minor	Moderate	Important	Significant	Major	3	
Subtotal Points					45		
Notable Evaluation							
Recognition		Local	District	Regional	National	International	
Points		3	9	15	21	27	Score
Stature	Feature						
	Form						
Historic	Age 100+						
	Association						
	Commemoration						
	Remnant						
	Relict						
Scientific	Source						
	Rarity						
	Endangered						
Subtotal Points					0		
					Total Points	<u>114</u>	
Notes:							

TREE ID# *84Location Address: Tongariro Domain, Story Place, Taupo.Owner: Taupo District Council.Planted By: ?Year Planted: 1898 ex (exact or estimated?)**TREE DETAILS**Botanical Name: *Quercus rubra*Common Name: red oak**MEASUREMENTS**Height of Tree: 21 (m)Average Width of Canopy: 27 (m)**NOTES**

A plan of the Tongariro Domain, held by TDC, shows that this tree was planted in 1898 for “Seddon Memorial”. This is presumably a memorial to Richard John Seddon who was New Zealand’s longest serving Prime Minister (PM), and was PM at that time. It provides significant amenity value to the area, even though the form of the tree is poor.

- * Multiple leaders arise from 1m, several have tight angles of attachment and contain included bark. Dieback is visible in the upper canopy. A large central leader was previously removed (likely to have died back). There are structural faults (included bark between the leaders) which will require continual future management to reduce the possibility of failures. The dieback mentioned in the Wildland Report appears to have stabilised. It is a very old specimen of this species (108 years). It has poor form and average health, but has historical significance which is worth protecting. Maintenance costs to effectively minimise the possibility of lower trunk failures will be ongoing. Story Place is within the root protection zone.



Tree ID #: 84							
Condition Evaluation							
Points	3	9	15	21	27	Score	
Form	Poor	Moderate	Good	Very good	Specimen	3	
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9	
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	9	
Function	Minor	Useful	Important	Significant	Major	3	
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27	
Subtotal Points					51		
Amenity Evaluation							
Points	3	9	15	21	27	Score	
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	27	
Visibility (km)	0.5	1	2	4	8	3	
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9	
Role	Minor	Moderate	Important	Significant	Major	9	
Climate	Minor	Moderate	Important	Significant	Major	9	
Subtotal Points					57		
Notable Evaluation							
Recognition		Local	District	Regional	National	International	
Points		3	9	15	21	27	Score
Stature	Feature						
	Form						
Historic	Age 100+		9				9
	Association				21		21
	Commemoration						
	Remnant						
Scientific	Relict						
	Source						
	Rarity						
	Endangered						
Subtotal Points					30		
					Total Points	138	
Notes:	Council records show this tree was planted in 1898 for Seddon Memorial.						

TREE ID # *76Location Address: Lake Terrace, Opposite Rifle Range Road, Taupo.Owner: Taupo District Council.Planted By: ?Year Planted: 1920 est (exact or estimated?)

TREE DETAILS

Botanical Name: *Eucalyptus delegatensis?*Common Name: alpine ash

MEASUREMENTS

Stand /No. of Trees: 2Maximum Height: 24.5 (m)Minimum Height: 23.5 (m)Average Height: 24m (m)Average Width of Canopy: 25 (m)

NOTES

Minor deadwood throughout both canopies, which extend over SH1 and footpath by approximately 9m. A track down to the beach has been cut out from the southern side of the eastern tree's root-plate. A 10-15cm girdling root is visible around the buttress of the eastern tree. S.W. Burstall listed a row of *E. delegatensis* in his mensuration report (Burstall 1972). These are possibly remnants of this row? Although there was also a row of *Eucalyptus globulus* opposite Tongariro Domain which were possibly incorrectly identified. I have not confirmed the identification of this species.

- * A ponga retaining wall on the southern side, of the eastern tree's trunk, has collapsed and may require future repairs. SH1, footpath and retaining wall is within root protection zone (wall and footpath is within 4m of trunk). Minor canopy lifting will be required to maintain clearances over SH1.



Tree ID #: 76						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
Subtotal Points					69	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
Visibility (km)	0.5	1	2	4	8	27
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	21
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	15
Subtotal Points					99	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Rarity					
	Endangered					
Subtotal Points					0	
					Total Points	168
Notes:						

TREE ID # T5/40b

Location Address: Taupo District Council Car Park, Off Rifle Range Road, Taupo.

Owner: Taupo District Council.

Planted By: ?

Year Planted: 1925 est (exact or estimated?)

TREE DEATAILS

Botanical Name: *Sequoiadendron giganteum*

Common Name: Mammoth tree, Wellingtonia.

MEASUREMENTS

Height of Tree: 25 (m)

Average Width of Canopy: 11 (m)

NOTES

Very healthy well formed specimen for this species. Appears well suited to this environment. Car parking installed around the tree has restricted rooting area, although this has not had a visible impact on its health.



Tree ID #: T5/40b						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	27
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	3
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
Subtotal Points					87	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
Visibility (km)	0.5	1	2	4	8	15
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	27
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points					87	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature		9			9
	Form		9			9
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Rarity					
	Endangered					
Subtotal Points					18	
					Total Points	192
Notes:	Largest and best formed specimen that I know of in the district.					

TREE ID# *P3

Location Address: Foreshore, Adjacent to Kinloch Esplanade, Kinloch.

Owner: Taupo District Council.

Planted By: Sir Keith Holyoake and Family **Year Planted:** 19th December 1956 ex (exact/estimated?)

TREE DETAILS

Botanical Name: *Populus nigra* 'Italica'

Common Name: Lombardy poplar

MEASUREMENTS

Stand (Same species) **/No. of Trees:** 26 Average dimensions taken from report dated 29/9/2004

Average Height: 28+ (m) **Average Width of Canopy:** 6 (m)

NOTES

The western most tree may have questionable ownership as it is on the boundary line of bollards with the sign "Private Marina Kinloch Marina Ltd". Tree dimensions and STEM report were completed for report dated 27/9/2004. The foreshore row of *P. nigra* 'Italica' are believed to have been planted by the late Sir Keith Holyoake in 1956. Notes written by Sir Keith Holyoake, which are contained in "Kinloch a History of Kinloch" p.13 (published in conjunction with the Kinloch Silver Jubilee 1959-1984), contain a reference to the planting of poplars by himself and his family in this area on 19th December 1956.

- * Previous erosion has reduced the root-plate of some of the western trees. Although I don't believe either of the trees are in immediate danger due to the erosion, possible future erosion mitigation works may be restricted if these trees are protected.



Tree ID #: P3						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
Subtotal Points						63
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	27
Visibility (km)	0.5	1	2	4	8	27
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points						93
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association				21	21
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Rarity					
	Endangered					
Subtotal Points						21
Total Points						177
Notes:	Recorded evidence that foreshore trees were planted by Sir Keith Holyoake in 1956.					

TREE ID# *39

Location Address: Lake Reserve In Front of Kinloch Store, off Kinloch Road, Kinloch.

Owner: Taupo District Council.

Planted By: Sir Keith Holyoake and Family **Year Planted:** 19th December 1956 ex (exact/estimated?)

TREE DETAILS

Botanical Name: *Populus nigra* 'Italica'

Common Name: Lombardy poplar

MEASUREMENTS

Stand (Same species) /No. of Trees: 5

Maximum Height: 29 (m)

Minimum Height: 27 (m)

Average Height: 28 (m)

Average Width of Canopy: 6 (m)

NOTES

This species is believed to have been planted by the late Sir Keith Holyoake in 1956. Notes written by Keith Holyoake, which are contained in "Kinloch a History of Kinloch" p.13 (published in conjunction with the Kinloch Silver Jubilee 1959-1984), contain a reference to the planting of poplars by himself and his family in this area on 19th December 1956.

- * Tracks around the base of the trees resulted in root damage, but it does not appear to have had a significant impact on their health. The root protection zone may restrict work if tracks around the base of the trees are to be improved, but I believe these trees are worthy of working around and designing the landscape to retain them. Only the 5 western trees of the group of 9+, scattered around the area, were assessed. The others to the east and north are either poorer specimens of the original planting, or are part of a later planting.



Tree ID #: 39						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
Subtotal Points					63	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	27
Visibility (km)	0.5	1	2	4	8	27
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points					87	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association				21	21
	Commemoration					
	Remnant					
	Relict					
Scientific	Source					
	Rarity					
	Endangered					
Subtotal Points					21	
					Total Points	171
Notes:	Recorded evidence that foreshore trees were planted by Sir Keith Holyoake in 1956.					

TREE ID # T3/39a

Location Address: Tongariro Domain (near museum), Taupo.

Owner: Taupo District Council.

Planted By: ?

Year Planted: 1920 est (exact or estimated?)

TREE DEATAILS

Botanical Name: *Abies veitchii*

Common Name: Veitch's fir

MEASUREMENTS

Height of Tree: 28.5 (m)

Average Width of Canopy: 17.5 (m)

NOTES

The main trunk divides into 2 leaders at approximately 8m. This union appears sound from the ground although should be inspected in the near future to confirm its integrity. Large dominant lateral branches arise from the lower trunk and ascend upwards at their tips. Tree was covered in cone when inspected.

Check I.D. the cones look larger than what is stated for this species.



Tree ID: T3/39a						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	21
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
Subtotal Points					81	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	27
Visibility (km)	0.5	1	2	4	8	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points					69	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature			15		15
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Rarity					
	Endangered					
Subtotal Points					15	
					Total Points	165
Notes:	J.T. Salmon's letter to TDC in 1993 stated that it was one of the finest firs in New Zealand.					

TREE ID # T2/39b

Location Address: Ferry Road, Lake Front, Opposite Tongariro Domain, Taupo.

Owner: Taupo District Council.

Planted By: ?

Year Planted: 1920 est (exact or estimated?)

TREE DEATAILS

Botanical Name: *Eucalyptus globulus*

Common Name: Tasmanian blue gum

MEASUREMENTS

Height of Tree: 29 (m)

Average Width of Canopy: 20 (m)

NOTES

Minor deadwood visible throughout the upper canopy. Major deadwood has previously been removed. The root-plate is situated on the edge of the lake edge cliff, several surface roots are visible wrapping around the edge of the bank. J.T. Salmon campaigned for the trees protection in 1993.



Tree ID #: T2/39b							
Condition Evaluation							
Points	3	9	15	21	27	Score	
Form	Poor	Moderate	Good	Very good	Specimen	15	
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9	
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15	
Function	Minor	Useful	Important	Significant	Major	9	
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21	
Subtotal Points					69		
Amenity Evaluation							
Points	3	9	15	21	27	Score	
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	27	
Visibility (km)	0.5	1	2	4	8	27	
Proximity	Forest	Parkland	Group 10+	Group3+	Solitary	15	
Role	Minor	Moderate	Important	Significant	Major	9	
Climate	Minor	Moderate	Important	Significant	Major	9	
Subtotal Points					87		
Notable Evaluation							
Recognition		Local	District	Regional	National	International	
Points		3	9	15	21	27	Score
Stature	Feature						
	Form						
Historic	Age 100+						
	Association	3					3
	Commemoration						
	Remnant						
Scientific	Relict						
	Source						
	Rarity						
	Endangered						
Subtotal Points					3		
Total Points						159	
Notes:	J.T. Salmon campaigned for this tree's protection in 1993.						

TREE ID# T8/41b

Location Address: Road Reserve, Outside 5 Crowther Terrace, Taupo.

Owner: Taupo District Council

TREE DETAILS

Botanical Name: *Chamaecyparis lawsoniana* 'Stewartii'

Common Name: golden cypress

MEASUREMENTS

Height of Tree: 15 (m) **Average Width of Canopy:** 7 (m)

NOTES

Very good form and health.



Tree ID #: T8/41b						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	27
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	15
Subtotal Points					87	
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	21
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points					63	
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Rarity					
	Endangered					
Subtotal Points					0	
					Total Points	150
Notes:						

TREE ID# T7/41bLocation Address: 158 Tamamutu StreetOwner: Trevor Hansen/Taupo District Council ?**TREE DETAILS**Botanical Name: *Quercus rubra*Common Name: red oak**MEASUREMENTS**Height of Tree: 18 (m)Average Width of Canopy: 20 (m)**NOTES**

Possibly on boundary of road reserve? Multiple leaders from 1-2m. Canopy extends over house and driveway to #158, Tamamutu Street and 156 Tamamutu Street. Lower canopy has been previously lifted. Attachment of the NE leader contains included bark. This should be monitored. A lateral with an approximate diameter of 20cm has recently been removed from the NE leader.



Tree ID #: T7/41b						
Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour/Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yrs)	10yrs. +	20yrs. +	40yrs. +	80yrs.+	100yrs. +	21
Subtotal Points						69
Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1	2	4	8	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	21
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points						63
Notable Evaluation						
Recognition	Local	District	Regional	National	International	
Points	3	9	15	21	27	Score
Stature	Feature					
	Form					
Historic	Age 100+					
	Association					
	Commemoration					
	Remnant					
Scientific	Relict					
	Source					
	Rarity					
	Endangered					
Subtotal Points						0
Total Points						132
Notes:						