ELECTRIC LINE CLEARANCE MANAGEMENT PLAN

2025 – 2026

In accordance with Electric Line Clearance Regulations 2020

Electric Line Clearance Management Plan (ELCMP) document information

Document name:	Electric Line Clearance Management Plan 2025//2026
Prepared by:	Moira Shire Council
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Authorised by:	Stuart Hall – Coordinator Parks
Signature:	
Date:	14/03/2025

Abbreviations

Act	Electricity Safety Act 1998
AS4373-2007	Australian Standard AS4373 “Pruning of amenity trees” as published or amended from time to time
CFA	Country Fire Authority
Code	Code of Practice for Electric Line Clearance
Council	Refers to Moira Shire Council
Declared Area	The area that Council is responsible for vegetation clearance from power lines
ELC	Electric Line Clearance
ESV	Energy Safe Victoria
HBRA	High Bushfire Risk Area
LBRA	Low Bushfire Risk Area
Plan	Electric Line Clearance Management Plan
Regulations	Electricity Safety (Electric Line Clearance) Regulations 2020
RP	Responsible persons required to keep vegetation clear of power lines under the Act

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Electricity Safety (Electric Line Clearance) Regulations 2020 – Part 2 Prescribed Code of Practice and related provisions

9(2) Preparation of management plan

Before 31 March in each year, a responsible person must ensure that a management plan relating to compliance with the Code for the next financial year is prepared.

It is the responsibility of Council's Coordinator Administration Operations to ensure that the Plan has been reviewed, updated, authorised and the latest version made available prior to 31 March each year.

To ensure that the Plan is prepared by 31 March every year, the task of plan preparation is including in Council's Operations department annual Calendar of Events program and assigned to the Team Leader, Administration Operations for the month of March every year.

The following sections are as per Regulation 9 of the Electricity Safety (Electric Line Clearance) Regulations 2020.

9(4)(a) Name, address and telephone number of responsible person

Name:	Moira Shire Council
Address:	44 Station Street, Cobram VIC 3643
Telephone Number:	(03) 5871 9222
Email Address:	info@moira.vic.gov.au
Chief Executive Officer:	Matthew Morgan

9(4)(b) Name, position, address and telephone number of person responsible for preparation of the plan

Name:	Stuart Hall
Position:	Coordinator Parks
Address:	44 Station Street, Cobram VIC 3643
Telephone No.:	(03) 5871 9222
Email Address:	info@moira.vic.gov.au

9(4)(c) Name, position, address and telephone number of person responsible for carrying out the plan

Name:	Allan Thomson
Position:	Team Leader - Arboriculture
Address:	44 Station Street, Cobram VIC 3643
Telephone No.:	(03) 5871 9222
Email Address:	info@moira.vic.gov.au

9(4)(d) Emergency contact

The telephone number of the person who can be contacted in an emergency that requires clearance of a tree from an electric line that the responsible person is required to keep clear of trees

Business hours:

Emergency contact:	Stuart Hall	Ph. 0406 967 300
Emergency contact:	Allan Thomson	Ph. 0439 356 177

After hours:

24 hour emergency contact number for Moira Shire Council:	Ph. 0428 147 119

9(4)(e) Objectives of management plan

The following are Council's objectives to fulfil our duties and obligations set out in the Electricity Safety (Electric Line Clearance) Regulation 2020:

- Compliance with the Electricity Safety (Electric Line Clearance) Regulation 2020 which includes the preparation of an annual management plan that complies with the Regulations completed before 31 March each year for the next financial year.
- Ensure electrical safety with annual inspections and annual trimming of all trees under electric lines within Council's declared areas. Council's Operations Department prepare a Calendar of Events for each financial year which states that the annual tree electric line trimming audit will be conducted in April 2025 by Council's Arborist team and tree electric line trimming will be undertaken by a Contractor in July and August 2025.
- Minimising fire starts as a result of vegetation contacting electric lines by maintaining statutory clearances as per the Electric Line Clearance Regulations 2020.
- Reliability of electricity supply by undertaking annual inspections of all trees in the vicinity of electric lines within Council's declared areas. Annual inspections conducted by Council identify all hazard trees that are likely to breach the Code as they have or a likely to grow into the minimum clearance spaces in the next 12 months and require trimming. A hazard tree is one that is likely to come into contact with or fall onto an electric line.
- Ensuring public and workplace safety with regular audits of works undertaken, O&HS inductions, completion of Job Safety Analysis, inspections of plant and equipment, and monitoring of and communication with the public prior and during works undertaken by Council's RP for carrying out the plan and the Arborist team.
- Management strategies to maximise environment amenity with the consideration of appropriate plant selection for new plantings and replacements and ensuring contractors understand the amenity value of Council's trees.
- Protection of areas of important vegetation with annual referral to the Significant Tree Register prior to undertaken the annual clearance program. Important vegetation is identified through the annual inspections undertaken by Council's Arborist and the declared area knowledge of the Arborist team of trees of ecological, historical, cultural, environmental or aesthetic significance.
- Community satisfaction with the works undertaken by Council and contractors. This will be achieved by ensuring the community are informed of planned and actual works through up to date and ongoing notifications and communication.

9(4)(f) Land to which the management plan applies

Council is responsible for managing the trees on Council managed land within the town boundaries of the following four towns within the Moira Shire:

1. Cobram
2. Numurkah
3. Yarrawonga
4. Strathmerton

Appendix 1 shows the existing maps outlining the land to which this management plan applies. These maps identify Council's declared area boundaries, main street names, location of electric lines, and details of High Bushfire Risk Areas (HBRA) and Low Bushfire Risk Areas (LBRA) sites.

9(4)(g) Hazardous Bushfire Risk Areas and Low Bushfire Risk Areas

HBRA and LBRA data has been supplied by the Spatial Data Coordinator at CFA Headquarters and a request submitted for the GIS layer of Moira Shire Council's declared areas. Once the declared area GIS layer has been received, the updated maps will be finalised by Council's GIS Officer. The SFA and ELT from Moira Shire Council meet annually as part of the ELCMP preparation to ensure currency.

9(4)(h) Known areas a tree may need to be cut or removed

Each area that the responsible person knows contains a tree that the RP may need to cut or remove to ensure compliance with the Code and that is:

i. Indigenous to Victoria

The tree population within the declared areas to which the Plan applies is largely street trees planted on nature strips with a mixture of native, indigenous and exotic species *(Ref: Appendix 1).* Within the declared areas, the following tree species are dominant:

Cobram	Fraxinus excelsior (Ash) and Melaleuca stypheliodes (Paperbark)
Numurkah	Lophostemon confertus (Qld brush box), Fraxinus excelsior (Ash) and Melaleuca stypheliodes (Paperbark)
Yarrawonga	Eucalyptus spp, Fraxinus excelsior (Ash) and Angophora costata
Strathmerton	Lophostemon confertus (Qld brush box) and Fraxinus excelsior (Ash)

The definition of indigenous vegetation for the purposes of this Plan includes remnant vegetation trees and indigenous vegetation. Remnant vegetation includes trees remaining with no significant record of their planting. Native vegetation defined as plants indigenous to the region and of the same species of remnant vegetation and planted in the area. Consultation undertaken with Council's Environmental Sustainability Officer if required in regards to identifying native trees.

A list and details of Council's trees are stored in the asset management system, Conquest and the mapping system, IntraMaps. Data recorded in Conquest, Council's asset management system, includes a list of all trees under power lines and the origin of the tree, i.e. native or exotic. This information is used to conduct online annual clearance inspections and works. An example of the individual tree audit report recorded in Conquest is in *Appendix 3*.

ii. Listed in a planning scheme to be of ecological, historical or aesthetic significance

There are no trees within Council's declared areas that are listed in a planning scheme to be of ecological, historical or aesthetic significance. *(Ref: Appendix 2)*

iii. A tree of cultural or environmental significance

There are currently no trees of cultural or environmental significance within Council declared areas impacted by electric line clearance works. *(Ref: Appendix 2)*

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Council refer to the Significant Tree Register on the National Trust website annually to check if any trees within Council's declared areas are added to the register.

The following trees are currently listed on the Significant Tree Register and located within Council's declared areas:

1. Four (4) Kurrajong (Brachychiton populneus) trees on the corner of Lott and Sharp Streets and Orr and Belmore Streets, Yarrawonga
2. One (1) Moreton Bay Fig (Ficus macrophylla) at 1 Sharp Street, Yarrawonga
3. Sixteen (16) Tamarisk (Tamarix aphylla) trees at 2 Tom Street, Yarrawonga

These trees are noted however they are not relevant to this Plan because the four kurrajong trees are not located under power lines, the Moreton Bay fig tree is on private property and the sixteen tamarisk trees are located at the old P-12 Yarrawonga College Campus.

9(4)(i) Means to identify a tree specified in paragraph (h)

The means which the responsible person is required to use to identify a tree of a kind specified in paragraph (h)(i), (ii) or (iii).

Trees are identified by the following means:

Tree kind	Means of Identification
Native vegetation	Internal audits recorded on **asset management system, Conquest and the mapping system, IntraMaps**
Trees of ecological, historical or aesthetic significance	Council's IntraMaps system which includes a Planning Building module with a Heritage Search layer
Trees of cultural or environmental significance	Significant Trees: National Trust register https://www.trusttrees.org.au/ Threatened flora and/or habitat for threatened fauna https://www.deeca.vic.gov.au/ Trees of interest with Aboriginal Cultural Heritage https://firstpeoplesrelations.vic.gov.au/

Council identify trees affected by the Plan through their annual inspection program, which currently involves onsite inspections of all street trees within the declared areas. The onsite inspections produce a list of trees that require trimming and this list forms the annual ELC program that is provided to the Contractor. Should Council remove trees, consideration will be given to the suitability of the replacement species with regard to the proximity to overhead electrical assets.

The annual audit as well as ongoing tree maintenance works undertaken by Council's Arborist team will identify trees of a kind specified in paragraph (h) and of environmental significance including threatened flora and/or habitat for threatened fauna.

Immediately after identification, all works on the significant tree are halted and Council's Environmental Sustainability Officer is asked to inspect the site and provide advice. Advice is also sought from the conserving threatened species webpage on the DEECA website:
https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list

Council's Arborist is responsible for ensuring that the Contractors are aware of trees listed as significant prior to the annual clearance program and the process to identify trees of significance.

Any trees identified in the above Acts, Lists or Registers are reviewed at least once every 12 months and prior to the completion of the plan by Council before 31 March each year.

The Significant Tree Register relevant to Moira Shire is listed as *Appendix 2*.

9(4) (j) Management procedures to ensure compliance with the Code

The management procedures that the responsible person is required to adopt to ensure compliance with the Code, which must –

(i) **Include details of the methods to be adopted for managing trees and maintaining a minimum clearance space as required by the code**

Details of the methods to be adopted for managing trees

Inspection program:

Council undertake an annual inspection of all Council trees in the vicinity of electric lines within the declared areas. The inspection is conducted in autumn normally in April or May.

The annual inspection process is undertaken by Council's Arborist and the process involves onsite observations of all relevant street trees and the recording of all collected data into an Excel spread sheet. *Appendix 6* shows a sample of Council's inspection program.

All trees that require trimming to ensure that they meet the clearance space requirements are added to the clearance program. Currently there is no priority rating listed against the trees. If it is determined that a tree needs to be trimmed, it is placed on the inspection list and the Contractor must trim all trees listed within the timeframe given for clearance works. The Council will be pruning outside the normal cutting times as required before next scheduled visit. If works are not within Council's declared areas such as vegetation in HBRA, would contact the distribution companies responsible for these areas.

The graphs and figures shown as Appendix 7 are referred to by Council's Arborist team when undertaking the inspection program to determine the minimum clearance space.

Reference will also be made to declared areas and any trees located within the HBRA will be included in the clearance list to ensure distances are maintained for the entire declared fire danger period.

The inspection list forms the annual clearance program. The following table shows the outcome of the 2023-25 annual inspection and the total number of trees to be trimmed in each of the four towns in Council's declared areas.

2025 annual tree inspection for tree clearance works	
Town	**No. of trees to be trimmed**
Cobram	326
Numurkah	249
Yarrawonga	315
Strathmerton	31
TOTAL	**921**

At the time of developing this plan, the 2025 inspections are yet to be completed, so we have referred to the 2023-25 list.

Clearance program:
Council have a contract for clearance works and the contractors are responsible for all clearance works in the declared areas for the duration of their contract.

Upon completion of the annual inspection, the clearance program is provided to the contractor employed to undertake the annual trimming of trees from electric lines and chipping works in the declared areas. Trimming works are scheduled for winter and for this plan programmed for July and August 2025.

Council's Arborist will meet with the Contractor annually to provide the current ELC program, confirm work start dates and the order of the areas that they will trim in. The Arborist and Contractor will also confirm that processes and procedures are in place to ensure cutting occurs in accordance with AS4373 "Pruning of amenity trees" as a minimum standard including the section appropriate plant and equipment and cutting techniques. This is clearly specified in the clearance contract. Trees are pruned to allow maximum clearance including regrowth wherever required, without adversely affecting tree shape and/or structure. Reference is also made to the applicable distance for middle two thirds of a span of an electric line as illustrated in Schedule 2 of the Regulations. Schedule 2 (Graphs 1 – 6 and Figures 1 – 5) are included in this plan as *Appendix 7*.

Supervision of the contractors will be provided by Council's Arborist with assistance from Council's Tree Crew.

To ensure that the inspection and trimming of trees are completed according to the schedule, works programmed and works completed are recorded in the Operations Departments Weekly works program

report and Bi-monthly Calendar of Events action report. Both of these reports are reviewed by Council's Manager Parks, Recreation and Facilities and Director Infrastructure Services and any deficiency in meeting this schedule is identified within these reports.

On occasion, customers or distribution companies will advise of trees that require attention to maintain clearance. If it is established that they are the responsibility of Council, the request will be added to Council's Customer Service Request Program (CRM). These requests will be assessed by Council's Arborist as soon as practical following receipt of the notice, normally within 14 days, and clearance works programmed.

In the event of an urgent trimming/removal, Council's Arborist will notify the Contractor and ask them to undertake the works as required. Once the works have been completed, Council's Arborist will contact the distribution company or customer to confirm date of completion and actual works completed. If works are unable to be completed within one week, an alternative contractor will be sourced to ensure Council is able to conform to any breaches and hazards in a timely manner. If the works are not within Council's declared areas, the request will be referred to the distribution company via email.

There are a number of towns and areas within Moira Shire that are outside of Council's declared areas and clearance works are managed by distribution companies and their Contractors. Council have entered into a Vegetation Management Plan with PowerCor with the purpose of the plan being to inform Managers of Public Land situated in urban areas of pending tree clearance works where PowerCor are responsible for the maintenance of the ELC space. This plan is saved in Content Manager as document D15/9271.

Council's Arborist is responsible for ensuring regular contact is made with the relevant distribution business personnel. Contact will occur prior to Council's annual inspections and as required throughout the ELC program. To follow are contact details of the distribution company relevant to Council:

PowerCor Engagement and Quality Officer	Ross Cuthbert Ph. 0487 542 031 Email rcuthbert@powercor.com.au
PowerCor Council Liaison Officer	Leo Hourigan Ph. 0408 304 984 Email lhourigan@powercor.com.au

Council will establish agreements and protocols with distributors covering the assistance they will provide in the following areas:

- Determining areas where trimming is required to maintain clearance
- Determining safe access near electric lines and arranging for electric lines to be de-energised
- Obtaining the relative costs of electric lines construction methods
- The ongoing review and improvement of the safety of work practices and reduction of risk exposure
- The distribution of Council's significant vegetation maps to ensure that all relevant parties are made aware of all areas within the Moira Shire that are categorised as "high value vegetation" irrespective of whether they are currently affected by power lines or not
- Building team and management relationships with the electrical distribution companies to optimise solutions to environmentally and economically sustainable vegetation management and electric line clearance
- Initiate systems for the notification of those affected by proposed vegetation clearance works and include mechanisms for consultation and dispute resolution
- Development and implementation of audit processes to ensure the effectiveness of all related practices and processes.
- Arrange for any urgent trimming or clearing to maintain the clearance space between each clearing or trimming time.

Council in conjunction with Contractors and the distribution companies will look to utilise a range of techniques including, but not limited to, annual trimming to provide long term clearance, aerial bundled cable, undergrounding, and redirecting if required.

If a suppressant is required, the results of this audit will be conveyed to PowerCor's Contractor and works will be programmed to be completed in one week as required by the Code. If works are unable to be completed within one week, an alternative contractor will be sourced to ensure Council is able to conform to any breaches and hazards in a timely manner.

Details of the methods to be adopted for maintaining a minimum clearance space as required by the code

The following table outlines the decision making process with regards to maintaining the clearance space between electric lines and trees.

Maintaining clearance space between electric lines and trees	
Will any part of the tree penetrate the clearance space of the electric line during the period of the next trimming cycle?	If No. Inspect prior to next annual trimming cycle.
If Yes. Can the tree be pruned to allow for the appropriate clearance and regrowth within the trimming cycle without loss of amenity value or increase to public risk?	If Yes. Add tree to trimming list and prune tree in accordance with AS 4373-2007 Trimming of Amenity Trees.
Is the tree located within the HBRA area?	If Yes. Add tree to trimming list, prune tree in accordance with AS 4373-2007 Trimming of Amenity Trees and ensure distances are maintained for the entire fire danger period.
If No. Weigh options of a shorter trimming cycle, tree removal, or cable replacement with aerial bundled cable, undergrounding or other options as set out in the Code section 3. The decision will be based upon the costing of the options in terms of tree value, works cost and the surrounding environment of the tree.	

Council's Arborist will observe the trees in their current state to determine if they require pruning from the clearance space as defined in the Code for the observed voltage, and will consider the following conditions:

- tree species characteristics
- amount of re-growth since the last clearance program and anticipated re-growth including those that might require correction before the next inspection in twelve months' time.
- alternative technical or engineering solutions.
- environmental conditions experienced between clearance programs, e.g. the amount of wet weather resulting in increased tree growth.

Council's Arborist will also consider other options such as, tree removal, replanting of a more suitable species or increased pruning frequency if the current clearance is noted as ineffective.

The methods used to calculate the dimensions of the space beyond the clearance space required by the Code that must be pruned or cleared to allow for anticipated tree regrowth into the clearance space between trimming or clearing are as follows;

- Tree size at maturity
- Tree regrowth characteristics
- Frequency of trimming cycles
- Environmental conditions
- Rights of affected persons

During the annual inspection, Council's Arborist will determine the likely growth rate of trees along with environmental and conservation considerations, which is determined by the tree species. Council's Arborist team observe and record the rate of growth of species under the growing conditions that prevail within Council's boundaries and apply these observations when determining the extent and frequency of trimming. These decisions will be made by Council's Arborist and included in the annual inspection program.

9(4)(j) The management procedures that the responsible person is required to adopt to ensure compliance with the Code, which must –

(ii) (a) Specify the method for determining an additional distance that allows for cable sag and sway for the purposes of determining a minimum clearance space in accordance with Division 1 of Part 3 of the Code

To determine additional distance that allows for cable sag and sway for the purposes of determining a minimum clearance space in accordance with Division 1 of Part 3 of the Code, Council's Arborist team use their experience, knowledge and understanding of the environment and the condition of the trees through their annual inspections and ongoing maintenance of the street trees. Reference is also made to the graphs in Schedule 2 of the Code which are attached as *Appendix 7*.

The graphs within the Code include sag and sway for LBRA spans up to 100m in length and for HBRA spans up to 45m in length. Spans outside of these parameters require an additional allowance to be included in the minimum clearance space to allow for cable sag and sway.

As per Schedule 21 of the Code, Council will contact the relevant distribution company to determine the necessary sag and sway allowances of an electric line. Schedule 21(2) of the Code states that an owner, operator or distribution company that is consulted by Council must assist the Council by determining the additional distance. The owner, operator or distribution company of the asset is the most appropriate source for the correct information relating to additional distance for sag and sway.

The distribution company in the Moira Shire area is PowerCor and the contact is:

PowerCor	Leo Hourigan
Council Liaison Officer	Ph. 0408 304 984
	Email lhourigan@powercor.com.au

Council's Arborist will contact the Liaison Officer via email to obtain sag and sway information so there is a record of the information provided. The information received is recorded within Council's annual inspection program and as a separate note/action against the tree asset in Conquest. This data is also provided to the Contractor and recorded on the contractor's file.

The sag and sway information recorded in Conquest and on the contract file is retained on a permanent basis.

9(4)(k) Procedures to be adopted if not practicable to comply with AS4373 requirements

The procedures to be adopted if it is not practicable to comply with the requirements of AS4373 while cutting a tree in accordance with the Code

Council will ensure that all trees are pruned, as far as practicable, in accordance with AS 4373-2007. Reasonably practicable in relation to AS4373 means that which is, or was at a particular time, reasonably able to be done to ensure the continued health, safety and amenity of the tree. If a tree becomes unviable when pruned to compliance, the tree is removed and replaced.

Reasonably practicable takes into account the following:

- The likelihood of the hazard or the risk concerned occurring – will the action create a defect, hazard, loss of tree health or aesthetic value in the present or future.
- The degree of harm that might result from the hazard or the risk – what will the impact be on the tree or future safety of the public.
- The level of knowledge the person concerned knows, or ought reasonably to know, about the hazard or the risk.
- The availability and suitability of ways to eliminate or minimise the risk – are other resources or techniques available to complete works to the standard.
- The costs associated with available ways of eliminating or minimising the risk – does the cost required to complete works to the standard grossly outweigh the value of the tree.

Council ensures compliance with AS4373 requirements by:

- Having accessing to the latest version of AS 4373-2007 by checking annually through Council's subscription with SAI Council
- Making the current version of AS4373 easily accessible to the Tree Crew and referenced it onsite during the clearance program
- Including reference to AS4373 and that all trees are to be pruned according to AS 4373-2007 as a minimum standard in external contract.
- Council's Arborist ensuring that the current version of AS4373 has been viewed, understood and utilised by Council's Tree Crew and Contractors.
- Council achieve the clearances as best as practicable to comply with AS4373.

Council's ELC program is scheduled to occur in July and August each year and generally takes six to eight weeks each year to complete.

During clearance works, the Arborist will conduct an onsite audit at least two times a week to ensure AS4373 cutting standards are achieved. This audit involves onsite observations and the focus is on clearance and cutting standards.

If there are any concerns and incidents of non-compliance, the Arborist will make note of the issue on the inspection program, contact the Contractor immediately and ensure the issue has been remedied as soon as practical.

9(4)(l) Description of alternative compliance mechanism

The description of each alternative compliance mechanism in respect of which the responsible person has applied, or proposes to apply, for approval under clause 31 of the Code

This plan does not include a description of each alternative compliance mechanism in respect of which the RP has applied or proposes to apply for under clause 31 of the Code because Council has no current requirement for an alternative compliance mechanism for this plan.

9(4)(m) Details of each approval for an alternative compliance mechanism

This plan does not include details of each approval for an alternative compliance mechanism as Council has no current requirement for an alternative compliance mechanism.

The details of each approval for an alternative compliance mechanism that –

(i) the responsible person holds; and

(ii) is in effect

This plan does not include details of each approval for alternative compliance mechanism that the RP holds and are in effect because Council has no current requirement for an alternative compliance mechanism for this plan.

9(4)(n) Measures used to assess performance of RP under the plan

A description of the measure that must be used to assess the performance of the responsible person under the management plan

Council utilise a number of measures to assess the performance of the RP under the management plan.

At the completion of the annual ELC works, Council's Arborist and RP will assess the performance with an internal review of the following key actions, KPIs and objectives:

Key Actions	Key performance indicators	Objectives
Effective management plan in place	• Annual management plan complies with the Regulations completed • Annual plan completed before 31 March each year	• Compliance with the Electricity Safety (Electric Line Clearance) Regulations 2020
Ensure electrical safety	• Complete annual inspection of all street trees in declared areas and clearly identify all hazard trees. • Annual clearance program completed by Contractor • Suitable contractor employed to undertake the annual clearance work each year. • No significant change in the number of trees in breach of the Code between the years.	• Community and public safety • Minimal fire starts • Reliable electricity supply in declared areas
Ensure public and workplace safety	• Regular onsite audits of clearance works undertaken • Audit to note number of trimming cuts undertaken by the Contractor found to be below standard and feedback provided to Contractor immediately. • Contractor O&HS inductions and completion of JSAs • Regular inspections of Contractor work processes, staff qualifications, skills and training, and plant and equipment used for clearance works. • Review number of requests from the distribution companies for trimming within Council's declared areas.	• Public safety • Workplace and contractor safety
Maximise environment amenity	• Appropriate plants selected for new street tree plantings and replacements • Ensure contractors understand the amenity value of Council's trees with regular contractor meetings. • The number of alternative approaches to normal trimming adopted.	• Tree amenity maintained • Minimal complaints regarding impact on amenity value
Protect areas of important vegetation	• Vegetation identified through annual inspections undertaken by Council's Arborist • Regular training provided to inspection and clearance staff to increase their knowledge of power line clearance, declared areas, and trees of ecological, historical, cultural, environmental or aesthetic significance.	• Protection of significant trees
Community satisfaction	• Regular notifications and communication of planned and actual works provided to community. • Review number of customer requests for trimming received and not identified as part of the tree audit process. • Review number of customer complaints regarding the trimming works.	• Community satisfied with the clearance program • Community aware of the clearance works

Any requests for trimming that are not captured in the annual audit by Council's Arborist team are recorded in Council's customer request program, CRM. These requests are then placed on the program for the Contractor under 'Extra works'.

Each year, Council's Arborist reviews the list of extra works to ensure that these requests are included in the following year's inspection program. If these requests are received outside of the Contractor's annual trimming schedule, each request is inspected by Council's Arborist within 14 days of receipt and Council's Contractor is contracted to undertake the works.

9(4)(o) Audit process details to ensure RP's compliance with the Code

Details of the audit processes that must be used to determine the responsible person's compliance with the Code

Council's Arborist and Contract Supervisor undertake regular audits of the works undertaken by the Contractor to ensure compliance with the Code. The Contractor generally spends approximately six weeks each year undertaking the works. Onsite audits of work are usually undertaken every second working day and at the completion of all clearance works in each of the declared areas.

To ensure compliance with the Code, Council's Arborist will undertake the audit which includes the following areas in relation to the Contractor's scope of works:

- Refer to the pruning audit list and ensure that the correct trees have been trimmed
- Review the quality of the cuts and appropriateness for that particular tree
- Ensure clearance requirements have been met
- During works, ensure that all debris stacked at the base of the tree does not cause interference to pedestrians or vehicles and the work site has been left in a tidy condition
- The site has been cleared and trimmed branches chipped as required
- Plant and equipment checks
- Use of PPE, JSAs and Traffic management as applicable

A copy of the Contractor Audit Checklist is attached as *Appendix 4*.

If there are any issues as a result of the audit, the Supervisor of the Contractors will be contacted immediately via phone and asked to return to the site to remedy the issue.

To ensure compliance with the clearance contract, an additional audit is undertaken at the end of the annual works and refers to the following:

- Works completed within budget
- Works completed within the specified timeframe
- Contractor's responsiveness to Council's direction
- Contractor's compliance with contract requirements
- Contract completed by personnel nominated in the tender response
- OH&S Compliance

This audit involves ratings between very dissatisfied and very satisfied and supporting comments. Audit results are placed on the contract file and referred back to the contractor as required.

If there are any issues of non-compliance identified during the audit at the end of the annual works, a meeting is arranged between Council's Arborist and the contractor. Details of this meeting are recorded and noted on the contract file. If additional works are required by the Contractor, these works must be completed within 10 working days. The Arborist will re-inspect the area of non-compliance to ensure the issue has been remedied. All areas of non-compliance and the works undertaken will be recorded in Conquest against the asset and on the contract file. This information will be referred to in following years to prevent reoccurrence and ongoing non-compliance could result in the contract being terminated.

9(4)(p) Qualifications and experience required for inspection, cutting or removal of trees

The qualifications and experience that the responsible person must require of the persons who are to carry out the inspection, cutting or removal of trees in accordance with the Code

Council employees who undertake clearance of trees work in accordance with the Code must hold the following qualifications and experience in accordance with the current version of the Blue Book as a minimum. As part of review, we will check codes annually (http://training.gov.au)

Training Matrix: Roles and applicable qualifications, experience and training required	
ELC role	**Qualifications, experience and training**
Arborist and/or Vegetation Inspector	o Certificate II in ESI Powerline Vegetation Control o Certificate IV or Diploma in Horticulture / Arboriculture including the nationally accredited “Assess Trees” and “Identify Trees” modules o 5 years field experience o Occupational Health and Safety for Managers and Supervisors o Environmental awareness and vegetation assessment
Grounds Person	o Certificate II in ESI Powerline Vegetation Control o Certificate III in Horticulture / Arboriculture including the Assess Tree module
Tree cutting and removal (ground level)	o Certificate II in ESI Powerline Vegetation Control o Certificate III in Horticulture / Arboriculture including the Assess Tree module o Occupational Health and Safety and first aid o Application of pruning techniques and standards o Chainsaw operation o Manual handling o Environmental awareness and vegetation assessment o Safe work practices
EWP Operator/ Safety Observer	o Certificate II in ESI Powerline Vegetation Control including the following modules o UETDRVC004 – Use elevated platform to cut vegetation above ground level near live electrical apparatus o UETDRVC007– Apply pruning techniques to vegetation control near live electrical apparatus o Certificate II in Horticulture/Arboriculture including the Assess Tree module o Occupation Health and Safety and First Aid o Application of pruning techniques and standards o Chainsaw operation o Manual handling o Environmental awareness and vegetation assessment o Safe work practices o High risk work licence o Annual refresher
Wood chipper operator	o Certificate II in ESI Powerline Vegetation Control o Certificate IV in Horticulture / Arboriculture including the Assess Tree module o Occupational Health and Safety and first aid o Wood chipper and plant operation o Traffic management o Safe work practices
Suitably qualified arborist	o Certificate II ESI Powerline Vegetation Control o National Certificate III in Arboriculture including the "Perform a ground-based tree defect evaluation" unit of competency, or an equivalent qualification o At least three years of field experience in assessing trees.

All ELC personnel are acting as “Qualified persons” as indicated in the Electrical Safety (General) Regulations 2019 r614 and r616 (2). A qualified person has undertaken appropriate Safe approach

distance training and is aware of limitations when working around powerlines as per the electrical safety rules for vegetation management work near overhead powerlines by non-electrical workers.

A record of all formal qualifications held by Council's Arborist team is retained by Council's Organisational Development department. The Organisational Development department are also responsible for ensuring that the above training remains up to date and will organise refresher training with relevant Registered Training Organisations as required and as per Council's employee annual performance and training and development reviews. This includes ensuring that all Council staff involved in powerline vegetation control complete the Certificate II in ESI powerline vegetation control.

Council's Arborist is responsible for ensuring that all contractors have undertaken the appropriate training and qualifications and this information is requested at the annual contract 'Start Up' meeting with the Contractor. Prior to the commencement of annual ELC works, Contractors are required to provide a record of formal qualifications and experience held by each of their employees who will be undertaken clearance works. It is expected that Contractors will hold the qualifications and training as per the table above.

The Arborist will also undertake onsite audits once clearance works have commenced and which includes checking that the personnel nominated to undertaken clearance works are retain the current qualifications required.
If it is found that they do not comply, the Arborist will advise the contractor that these personnel need to cease work immediately. The Contractor will need to provide a suitably qualified replacement staff member or evidence of the suitable qualifications for the non-compliant staff member.

Council's Arborist is responsible for placing all evidence of contractor qualifications and experience on the contract file and ensuring that this information remains up to date.

Council's Arborist will also ensure that all contractors complete Council's OH&S induction annually and undertake random audits to ensure that the complete induction card is carried by all staff at all times whilst on site.

Section 5 of Council's contract for Powerline Clearance of Trees in Declared areas states the following and this information is confirmed annually and prior to ELC works commencing:

- All trees are to be pruned from electric lines in accordance with the Electricity Safety (Electric Line Clearance) Regulations 2020 and to ensure that they will not grow into the clearance space within one year from date of practical completion.
- All trees are to be pruned according to AS 4373-2007 Pruning of Amenity Trees as a minimum standard.
- The Contractor will comply with the relevant requirements of the Electricity Safety (General) Regulations 2019 in particular Regulation 616(2) Tree Clearing.

The ELC contract for external parties included reference to the minimum training requirements to clear vegetation from electric lines, i.e. Electricity Safety (Electric Line Clearance) Regulations 2020, Electricity Safety (General) Regulations 2019 r614 Minimum distances between persons and aerial lines and 616(2) Tree Clearing, compliance with the Blue Book, the electrical safety rules for vegetation management work near overhead powerlines by non-electrical workers and current qualifications in tree clearing.

9(4)(q) Notification and consultation procedures

Notification and consultation procedures, including the form of the notice to be given in accordance with Division 3 of Part 2 of the Code

In order to maintain the required clearance space around an electric line, Council will provide notice to all affected persons if it intends to cut or remove a tree that is:

(a) on public land; or
(b) within the boundary of a private property which the response person neither occupies nor owns; or
(c) a tree of cultural or environmental significance.

To notify the affected persons, Council will place a public notice in a local newspaper circulated in the locality of the land in which the tree is to be cut or removed (see example of notice in *Appendix 5*). Council will provide between 14 days and 60 days' notice of the intended date for cutting or removal. The intended date for cutting or removal is highly likely to occur however if it doesn't occur, Council's Arborist will speak directly to the affected persons and provide an update in the form of a letter drop.

The public notice will include details of the location and description of the cutting or removal, when the cutting will commence, and details of the contact person.

If the tree intended to be cut or removed is within the boundary of a private property, Council will consult by way of written correspondence and advise the occupier and/or owner of the property if the tree is to be cut within the boundary of the property or removed.

The written notice will include details of the location of the tree, intended date for the cutting or removal of the tree, reason the tree will be cut or removed (including details of the last inspection that resulted in the request to cut or remove the tree if required) and details of the contact person.

If these works do not commence within the advertised timeframe, contact will be made via written correspondence to the occupier and/or owner of the affected properties to advise of the new timeframe.

9(4)(r) Dispute resolution procedures

If a dispute in relation to electric line clearance arises and is received by Council, the dispute shall be resolved through Council's Complaint Handling Procedure. This procedure is available for inspection at our principal office of 44 Station Street, Cobram during the normal business hours of 8.30am to 5.00pm, Monday to Friday or can be viewed on Council's website with the following link:

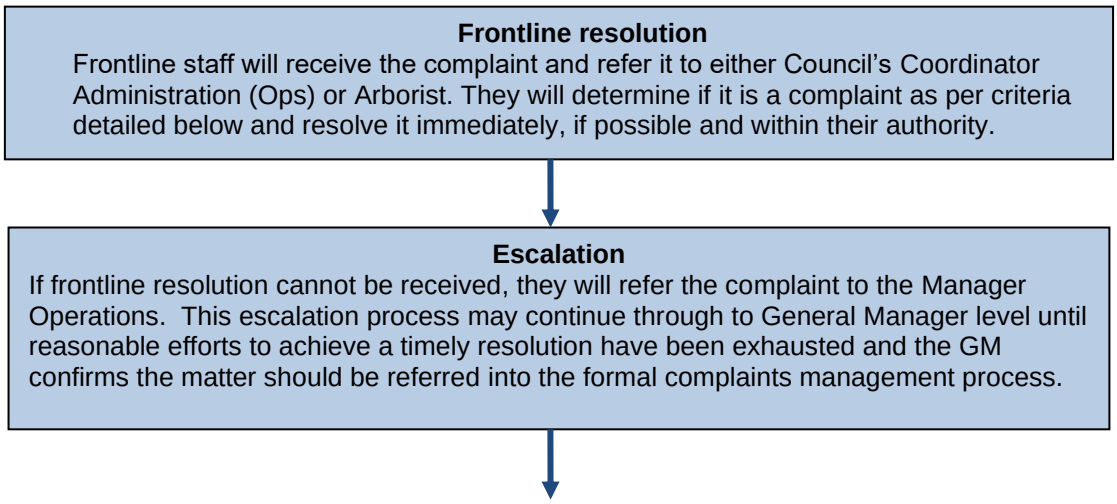
http://www.moira.vic.gov.au/Complaint Handling Procedure

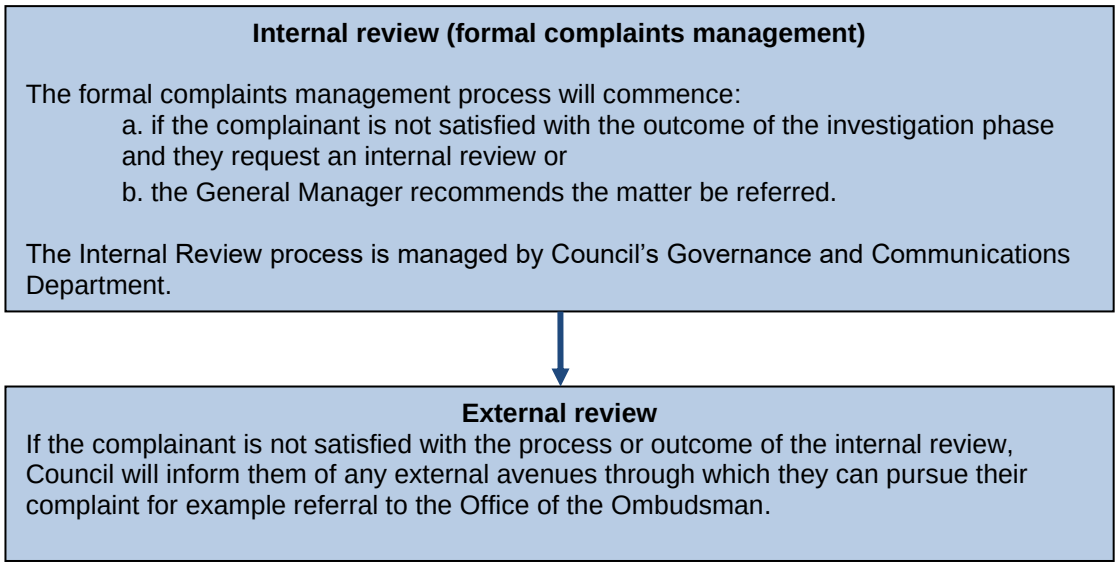
The following person is responsible for resolving disputes in relation to this plan between Council and members of the public:

Name:	Stuart Hall
Position:	Coordinator Parks
Business Address:	44 Station Street, Cobram VIC 3643
Telephone No.:	(03) 5871 9222
Email Address:	info@moira.vic.gov.au

The complaint handling procedure includes a four-tiered approach to complaints. The following procedure flowchart has been altered slightly to include staff relevant to this plan:

Council's Complaint Handling Procedure in relation to this plan





10 Obligations relating to management plan

Plan provided to ESV

The responsible person must provide a copy of the management plan to ESV within 14 days after a written request or such longer period as specified by ESV in the written request.

The responsible person, if requested in writing to do so by ESV, must provide further information or material in respect of the management plan within 14 days after the written request or such longer period as specified by ESV in the written request.

The responsible person must amend the management plan if instructed to do so in writing by ESV within 14 days after the written instruction or such longer period as specified by ESV in the written instruction.

This plan will be submitted to ESV within 14 days by the Team Leader Administration Operations upon request. All written requests to provide a copy of the plan are received by Council's Records Department and placed in RM8. The written request is forwarded to the Team Leader Administration Operations through RM8 with a generated action that requires the request to be responded to within 10 days.

The automated 10 days to complete a 'For your action' request is part of Council's Customer Service Charter which will ensure the plan is submitted within the 14 day timeframe.

The responsible person must not contravene a requirement of the management plan if the management plan is approved by ESV.

It is the responsibility of Council's Coordinator Administration Operations to ensure that the Plan has been published on Council's website. Council's most recent ELCMP is available from:

https://www.moira.vic.gov.au/Our-Council/Our-plans-and-strategies/Our-other-plans-and-strategies/Electric-Line-Clearance-Management-Plan-2025-2026

Once the plan has been prepared by March every year, it will be made available on the website for the period of the plan, i.e. 1 July to 30 June each year.

Superseded versions of the plan are removed from the intranet however they remain within the RM8 folder for record keeping purposes with the note that this plan has been superseded by the latest version.

11 Exceptions

This plan does not refer to exceptions 4, 5, 6 and 7 of the Code as Council has no intention during the term of this plan of applying for an exception to minimum clearance for the reasons set out in 4, 5, 6 and 7.

Electricity Safety (Electric Line Clearance) Regulations 2020 – Schedule 1 Code of Practice for Electric Line Clearance.

Part 2 – Clearance responsibilities – Division 1 – Roles of responsible persons

9 Responsible person may cut or remove hazard tree

The responsible person may cut or remove a tree for which the person has clearance responsibilities if a suitably qualified arborist has assessed the tree within the declared area as:

- likely to fall onto or come into contact with an electric line
- re-grow into the clearance space before next scheduled clearance
- vegetation in High Bushfire Risk Area found in clearance space after the declared high bushfire risk season.

An identified hazard tree will be inspected as a priority by Council's Arborist or a member of Council's Arborist team who have the following qualifications:

- Certificate Level IV in Horticulture and Arboriculture including the "Assess Trees" module, or an equivalent qualification; and at least three years filed experience in assessing trees.

The inspection will confirm the likelihood of contact with an electric line having regard to local conditions. Factors such as local weather conditions, tree health, defects, size of failure, target potential, significance, fauna and habitat are considered in the assessment.

If the inspection identifies a tree as requiring pruning or removal, the following steps will occur:

- If the tree is on Council property, the Arborist will contact Council's clearance contractor and will arrange for the works to be undertaken.
- If the tree is on private property, the responsible person, i.e. property owner or the distribution company, will be contacted. Contact will be made by a door knock, letter drop or phone call for a property owner or email or phone call for the distribution company.

Under Schedule 14 of the Regulations, in the case of Urgent works, Council will not cut a tree for clearance, further than 1 metre from the minimum clearance space for a specified span. This will be made known to the clearance Contractors prior to the commencement of clearance with on-site meeting.

Under Schedule 15 of the Regulations, Council will not remove a tree unless;

- it has fallen or become damaged and requires removal to keep minimum clearance space for the span, or
- a suitably qualified Arborist has inspected the tree and local conditions, and determined that that the tree is likely to imminently fall onto or come into contact with an electric line.

As the asset owner, Council reserves the right to remove its tree assets if they cannot be made safe or be retained as useful assets.

Details of inspections, assessments and associated works undertaken will be recorded on Council's asset system, Conquest.

Division 2 – Manner of cutting and removing trees

10 Cutting of tree to comply with Standard

A responsible person cutting a tree under Division 1 must, as far as practicable, cut the tree in accordance with AS 4373 as published or amended from time to time. This is covered in regulation 9(4)(j).

11 Cutting or removal of indigenous or significant trees must be minimised

The cutting or removal of the following kinds of trees must be minimised:

- trees that are indigenous to Victoria
- trees listed in a planning scheme to be of ecological, historical or aesthetic significance
- trees of cultural or environmental significance

For any trees listed in 9(4)(h) that require cutting or removal, consultation will occur between Council's Arborist and Council's Environmental Sustainability Officer. Depending on the nature of the tree, Council's Asset Department, Planning Department or other RP may be consulted.

If cutting is required, inspection and advice from a suitably qualified Arborist will be sort if an important tree is to be removed – removal only permitted if pruning tree to compliance will make tree unviable. This will be undertaken by Council's contractor and it will not be cut more than is necessary to ensure compliance with Division 1 or to make an unsafe situation safe. If tree removal is required, it will be undertaken by Council's contractor and removed only to ensure compliance with Division 1 or to make an unsafe situation safe including a hazard tree, regrowth into clearance space before next scheduled visit, vegetation in HBRA found in clearance after declaration, or if the inspection undertaken by Council's Arborist has determined that cutting would make the tree unhealthy or unviable.

All information regarding the inspection, cutting is recorded on Council's asset system, Conquest.

12 Cutting or removing habitat for threatened fauna

Council does not currently have records of any threatened fauna which may be affected by the implementation of this plan. Should threatened fauna be identified, all works on the tree/habitat are halted and Council's Arborist will arrange for Council's Environmental Sustainability Officer to inspect the site and provide advice. Council will consider options such as undertaking clearance works outside of the breeding season, delaying works until the fledglings have flown or, if not practical, translocating the fauna to a new environment.

Division 3 – Notification, consultation and dispute resolution

17 Responsible person must publish notice before cutting or removing certain trees

When cutting or removal works are scheduled, Council provides notice in the local newspaper relevant to that area (see example of notice in *Appendix 5*). Council's Arborist has an annual contract start up meeting with the clearance contractor and the exact start date for ELC works is determined. Upon confirmation of the start date, the Coordinator Administration Operations will liaise with the Governance and Communications Department to arrange for the notice to be published.

This notification will advise of the reason for vegetation management and will provide between 14 and 60 days' notice prior to the expected commencement date of works. The notice will also advise of the commencement date, that clearance works are carried out over eight weeks and the applicable towns. Exact locations of clearance works and specific dates in each town are not stated.

If it appears that clearance works will not commence within the notified 14-60 day timeframe, a second notice will be placed in the applicable local newspapers as well as Council's website and Facebook page to ensure adequate exposure. Any tree related queries from customers/residents are logged on Council's CRM system and allocated to the Arborist.

19 Notification and record keeping for urgent cutting or removal

In situations where urgent cutting or removal is required, a letter drop by Council will be undertaken. This letter will advise of the exact works required, reason for the works, exact location of the tree, and the dates for works to be undertaken. The letter will be delivered by Council's Arborist or the clearance contractor. All notifications including letter drops are stored on Council's record management system indefinitely.

Appendices

Appendix 1 – Council's Maps of Declared Areas

- Cobram
- Yarrawonga
- Numurkah
- Strathmerton

Appendix 2 – Significant Tree Register for Moira Shire

Appendix 3 – Tree Inventory/Audit report (Example)

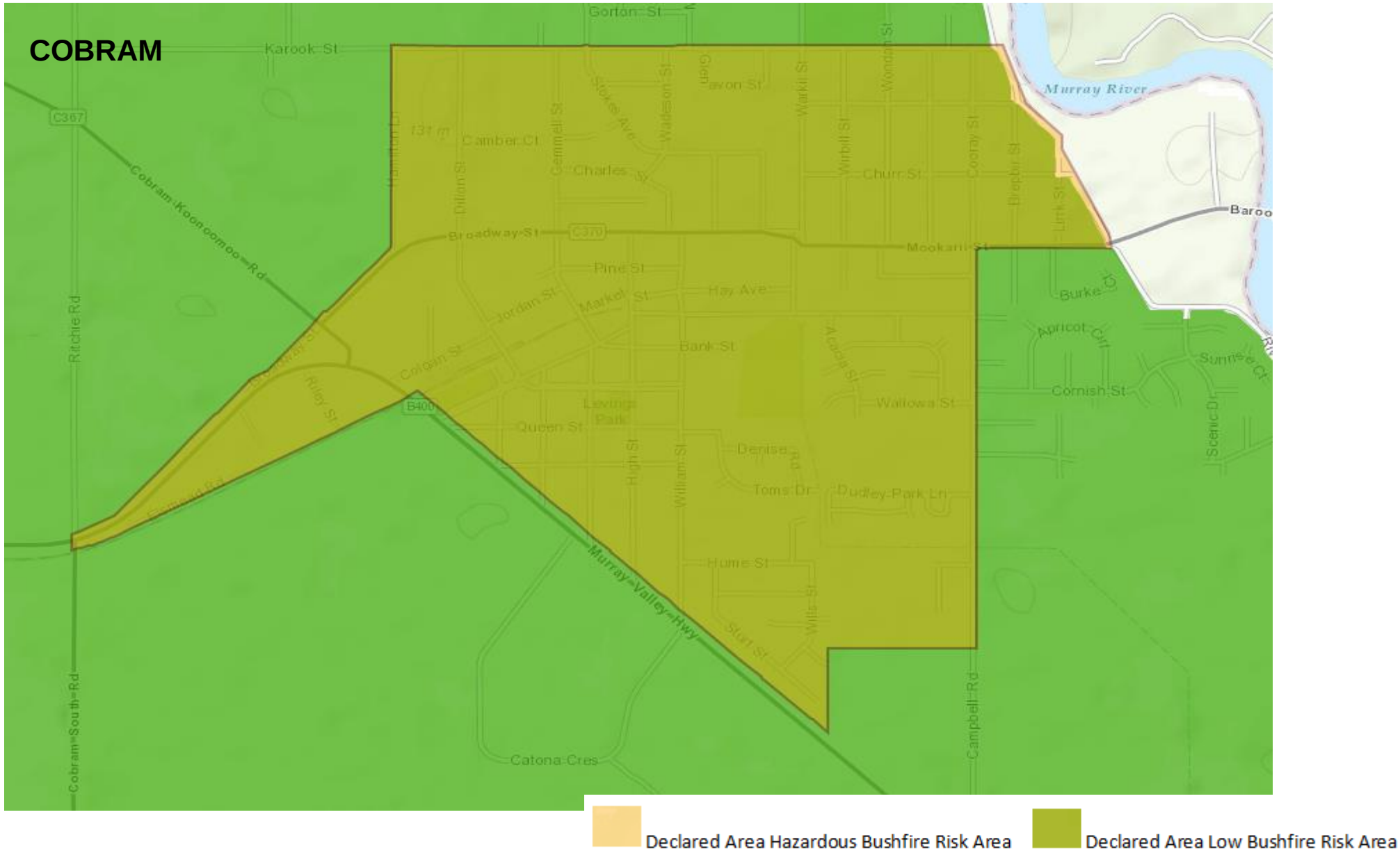
Appendix 4 – Contractor Audit Checklist

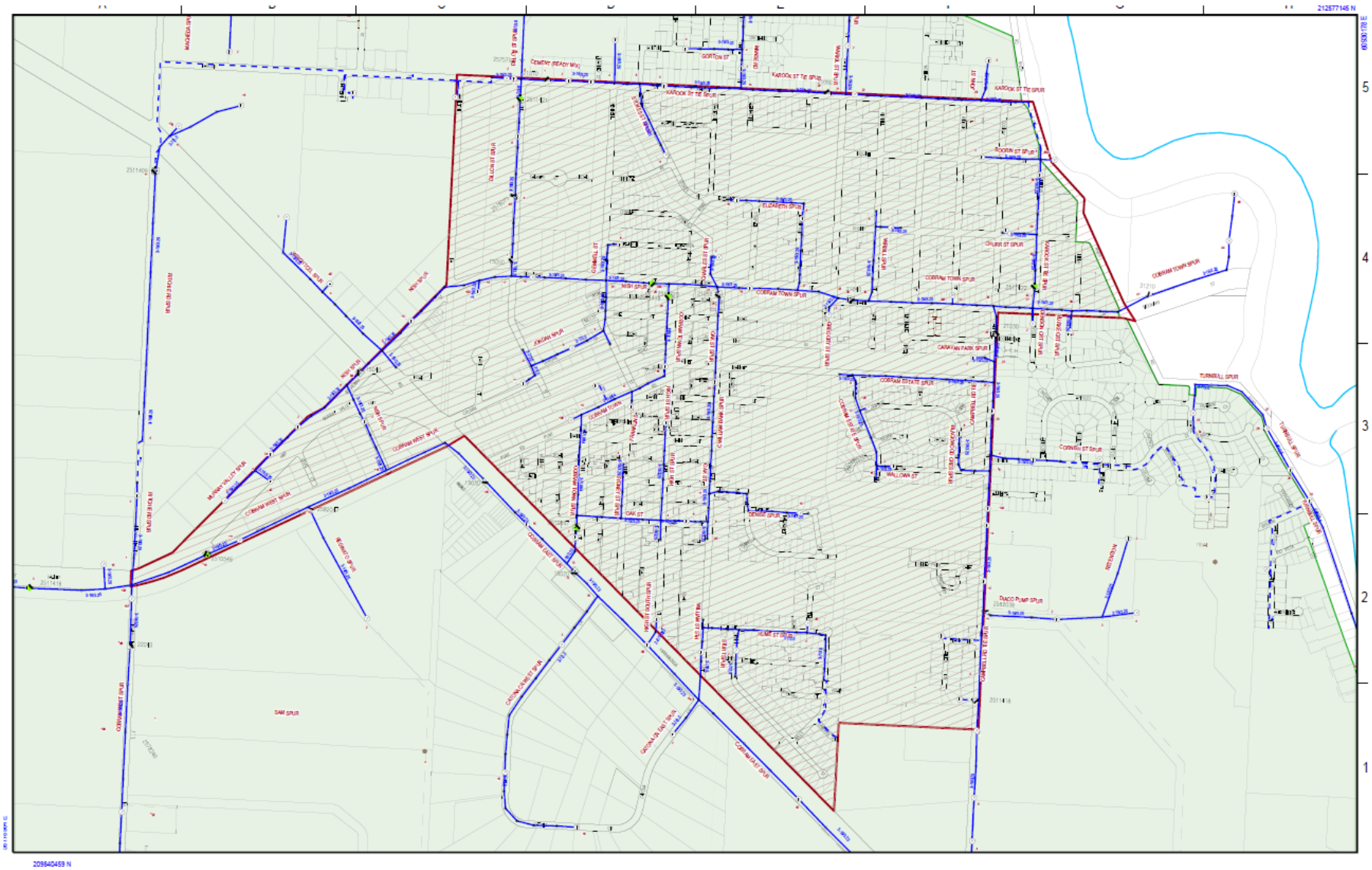
Appendix 5 – Local newspaper notification (Template)

Appendix 6 – Council's Annual Powerline Tree Trimming Audit and Completed Program – 2019 (Sample)

Appendix 7 – Schedule 2 of the Regulations: Applicable distance for middle two thirds of a span of an electric line

Appendix 1 – Council's Maps of Declared Areas





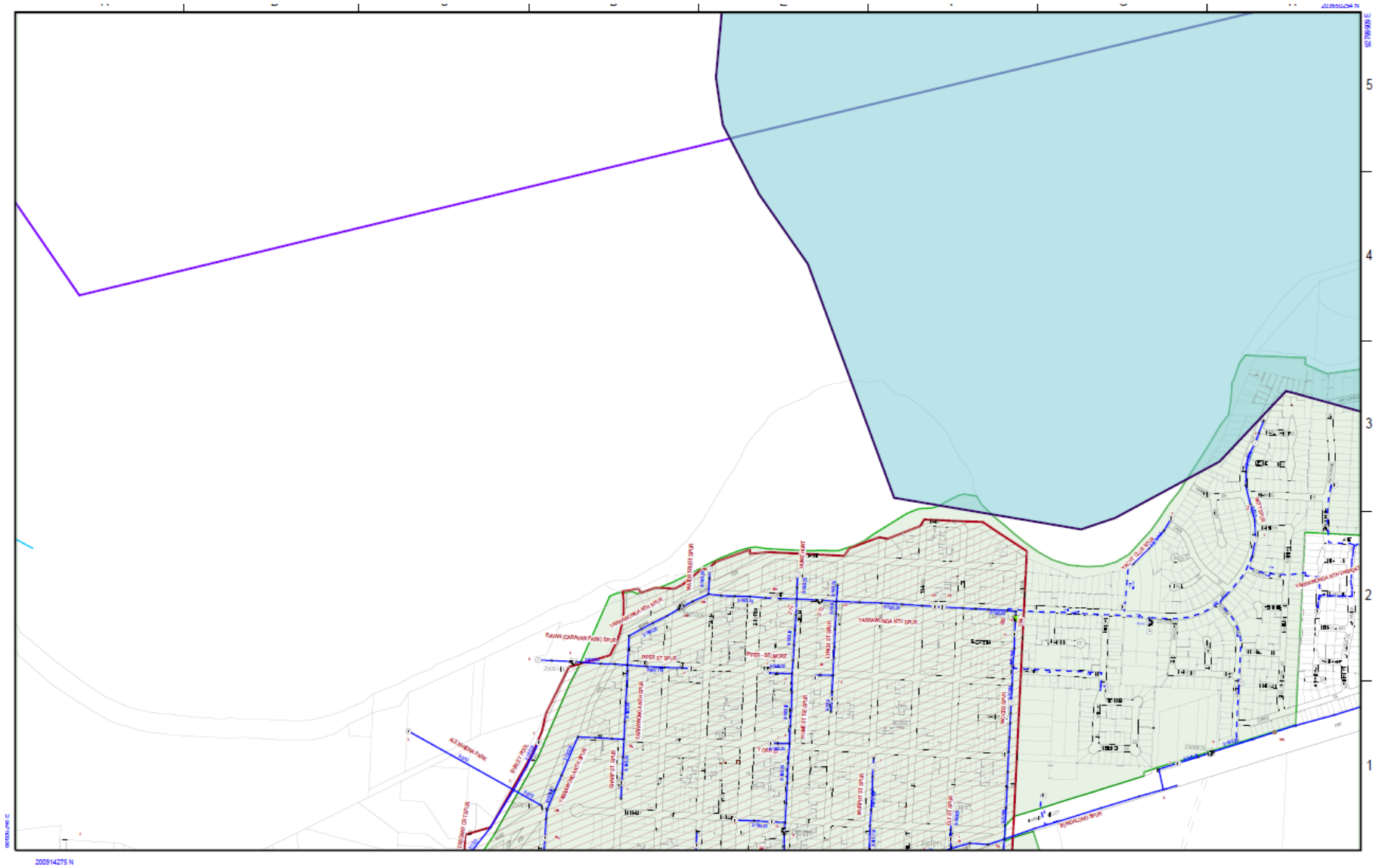
MAP 95-1
Vic Roads 23 C8

0 1000 m

Cobram
MAP 95-1

5/7/2006


YARRAWONGA
Golf Club Rd
Gulai Rd
Bank St
Hunt St
Witt St
C373
Cogill St
Madden Dr
Humie St
Lynch St
Murphy St
Ely St
Orr St
Sharp St
Tom St
Haval St
McNally St
B400
Irvine Rd
Beattie St
134 m
Lett St
Yarrawonga
Dunlop St
Telford St
Orrvale St
Victoria Park
Warrick St
Curtois St
McLean St
Burley Rd
Oaten St
Benalla Rd
Sharp St
McLeod St
Murray St
133 m
C373
South Rd
Declared Area Hazardous Bushfire Risk Area
Declared Area Low Bushfire Risk Area



MAP 96-1

Vic Roads 34 B2

0 1000 m

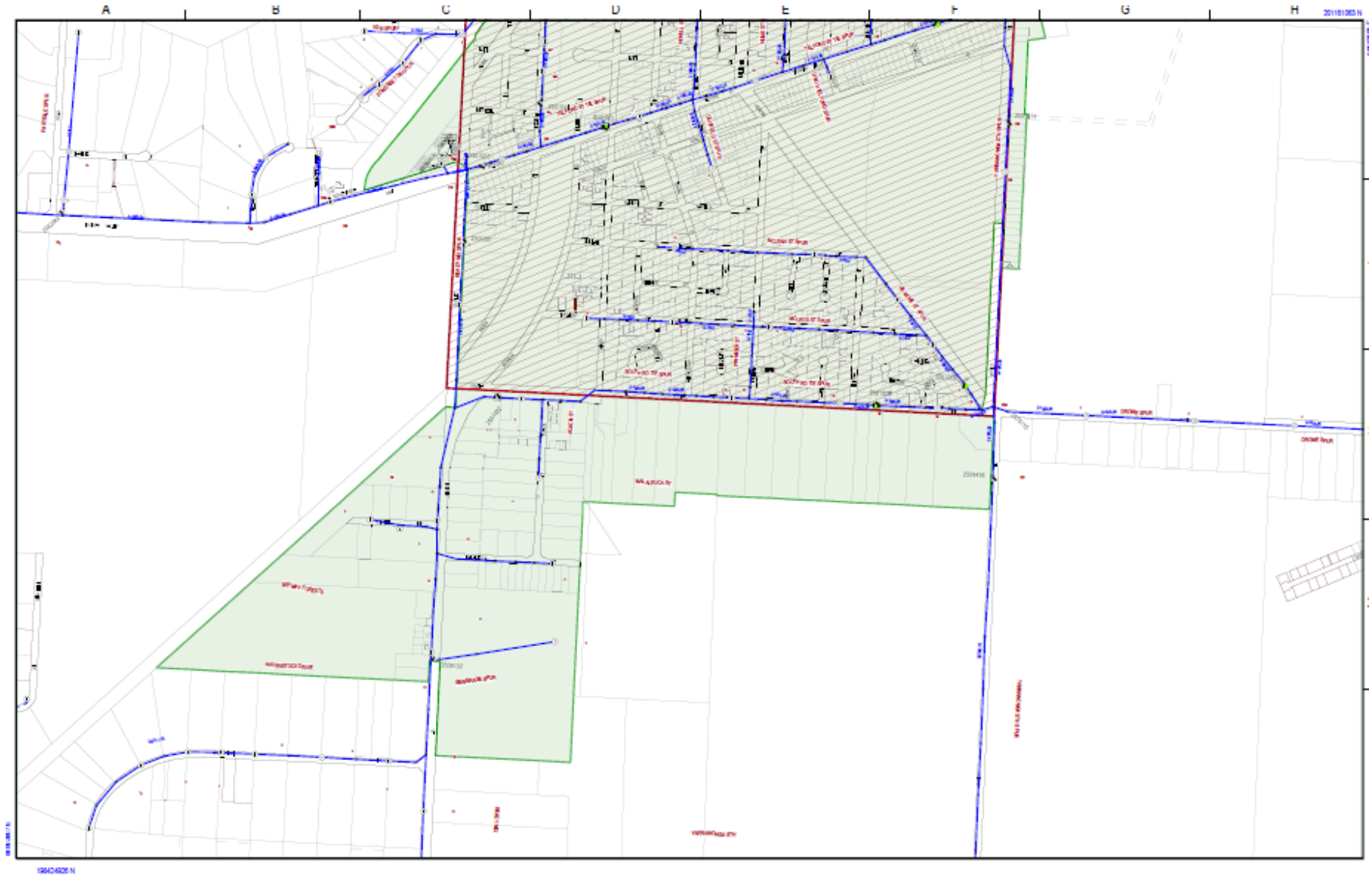
MAP 96-1

MAP 96-2

Yarrawonga

MAP 96-1

5/7/2006



MAP 96-2

Vic Roads 34 B2

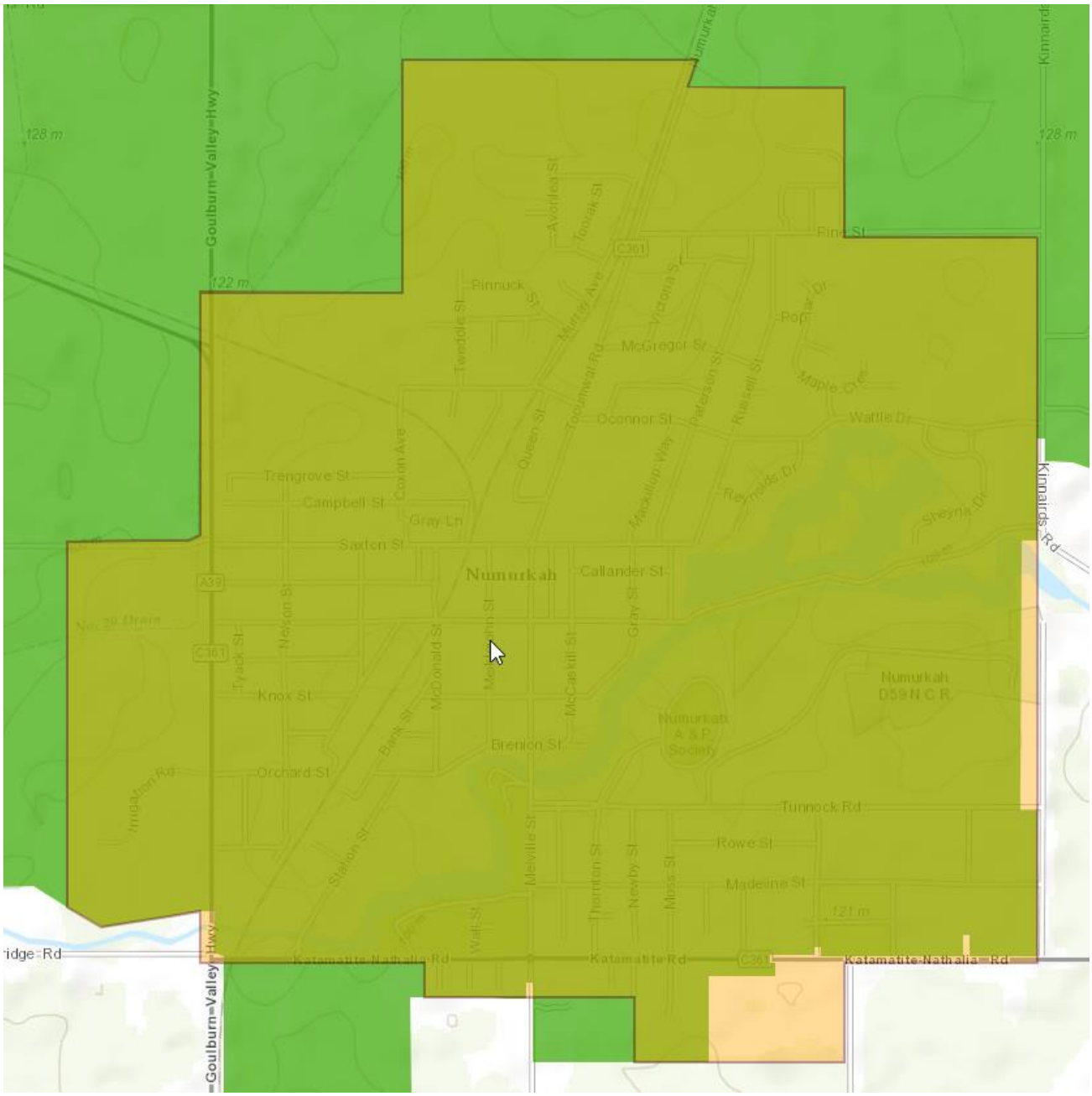
0 1000 m

Yarrawonga

MAP 96-2

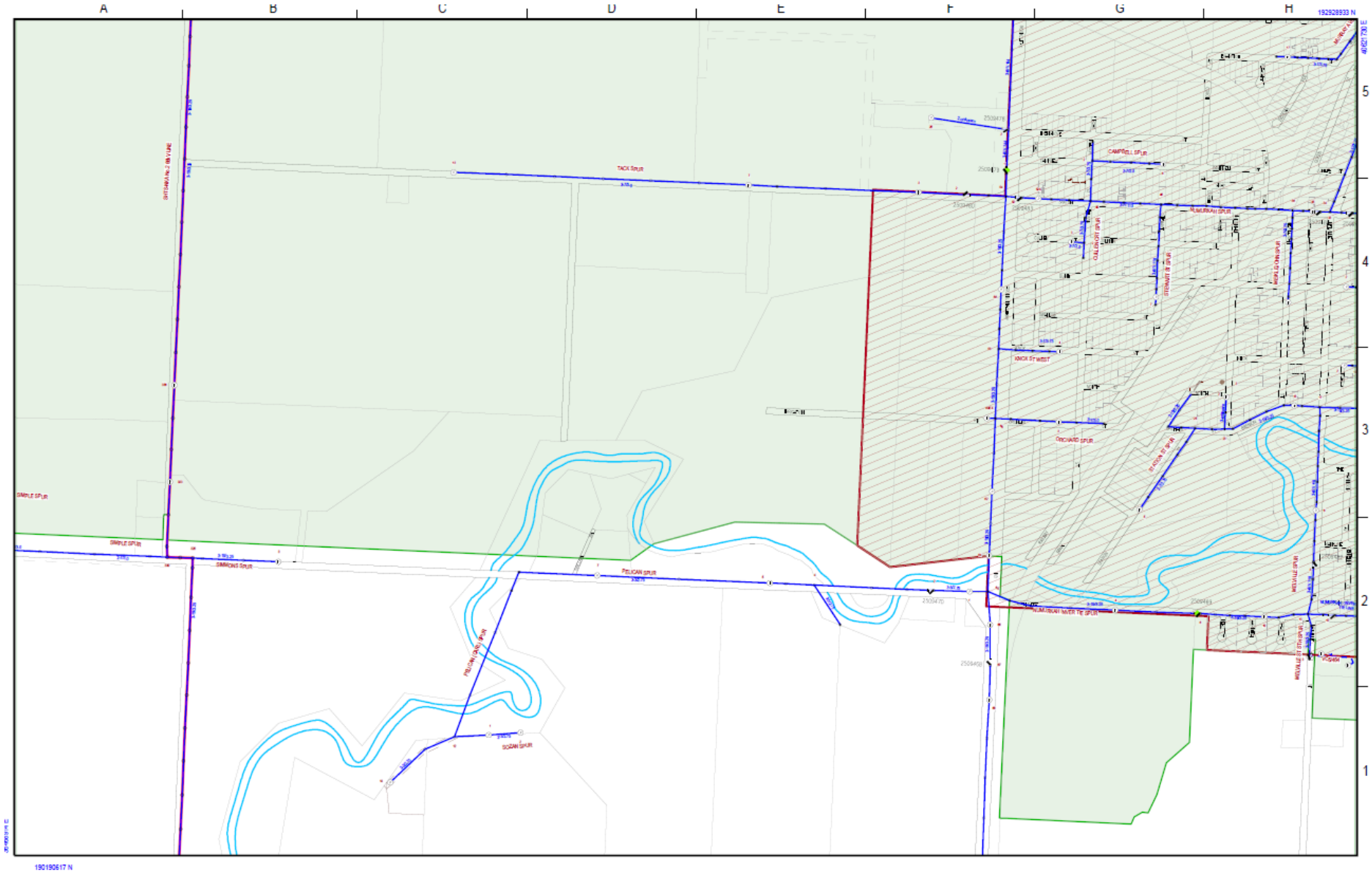
5/7/2006

NUMURKAH



Declared Area Hazardous Bushfire Risk Area

Declared Area Low Bushfire Risk Area



Powercor AUSTRALIA

Map 109-3

Vic Roads 32 I3

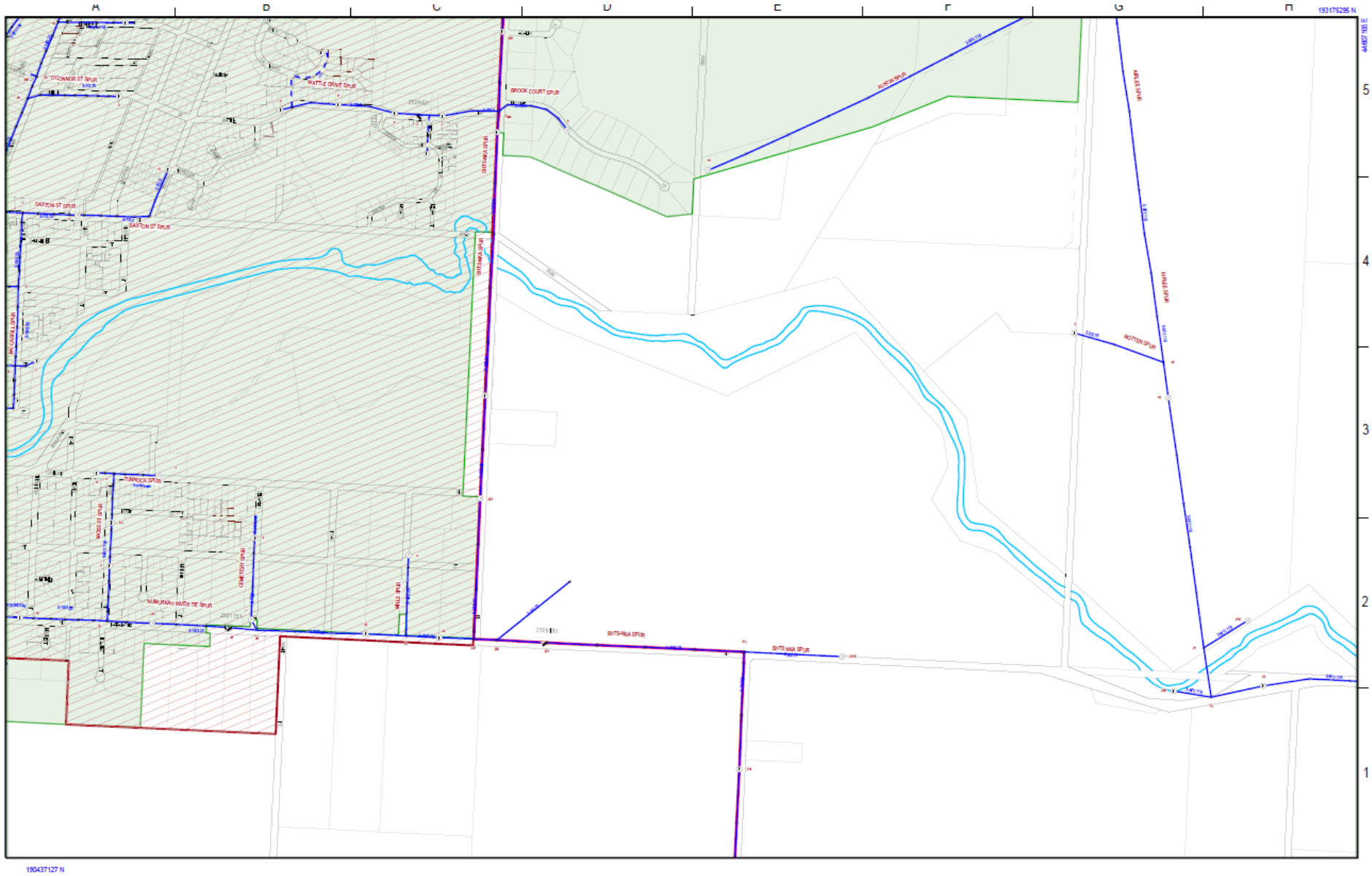
0 1000 m

	Map 109-1	Map 109-2
	Map 109-3	Map 109-4

Numurkah

Map 109-3

5/7/2006



Powercor AUSTRALIA

Map 109-4

Vic Roads 32 J3

0 — 1000 m

Map 109-1	Map 109-2	
Map 109-3	Map 109-4	

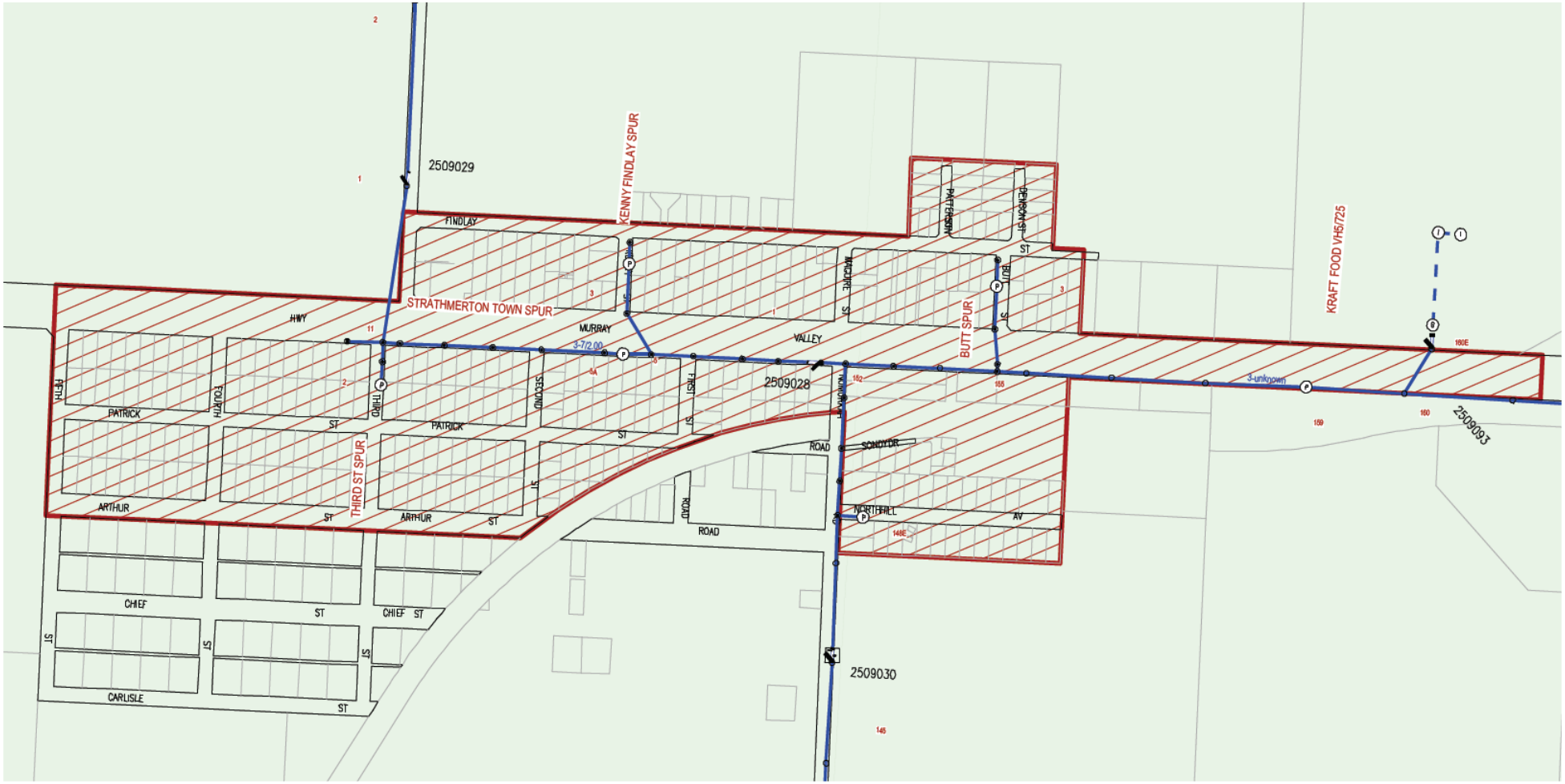
Numurkah

Map 109-4

5/7/2006

STRATHMERTON

Declared Area Low Bushfire Risk Area



Strathmerton

Appendix 2 –Significant Tree Register for Moira Shire

Search the National Trust Database

National Trust Database - Search Results

Back to search page »

Displaying **1- 10** of **15** records found

Image	Name	Detail	File number	Level
	**Acacia omalophylla** **Yarran** **Almonds Road, WILBY, MOIRA SHIRE**	**Rare and localised *Acacia omalophylla* is listed as an endangered species in Victoria, and this stand is the largest known example of this species in the State. Another smaller stand (2-3 old trees & 50 suckers) occurs at Yalca. Located at an altitude of 150m, an area of approximately 2 ha has been fenced off from agricultural use. The stand appears of an even age, however there is sucker regrowth around the perimeter and open areas. Numerous stands of ... more**	**T11199**	**State**
	**Acacia omalophylla** **Yarran** **Burramine Road, TUNGAMAH, MOIRA SHIRE**	**Rare or localised A stand of three trees of a species which is rare in Victoria. This stand is about 15km north west of the large stand at Wilby. The three trees have blown over but one particular specimen is very large, having a height of 15m (refer measurements). The paddock is grazed and cropped and there are no suckers. The owner has agreed to fence off the stand. These trees are located in a paddock on the east side Burramine Road, 4.8 km NNE from Tungamah. ... more**	**T11200**	**State**
	**Acacia omalophylla** **Yarran** **Picola-Katunga Road YALCA, MOIRA SHIRE**	**Rare or localised Located by the Uniting Church, 100 metres west on the north side of the road. This species is rare in Victoria, the only other known locality is at Lake Rowan. In the 1920's Dr Willis recalls a large stand of mature trees in the paddock and a picture taken in 1962 shows 3 large trees in the adjoining paddock similar in size to the Lake Rowan population. The 1978 report by LaTrobe University mentions the trees as 20-25 feet tall and moribund. This stand ... more**	**T11983**	**State**
	**Brachychiton populneus** **Kurrajong** **Bromley Street,NATHALIA, Moira Shire**	**Contribution to landscape Historical value The Nathalia Avenue of Honour is a very attractive avenue of Brachychiton populneus (Kurrajong) making a significant contribution to the landscape. The tree foliage, habit and uniformity is particularly notable. One tree, east of Chapel Street on the south side is Brachychiton discolour. The Avenue was planted between 1918 and 1922 as a memorial to World**	**T11984**	**Regional**

Image	Name	Detail	File number	Level
		War I soldiers of the district The trees outside the school are ... more		
	Schinus areira Pepper Tree Weir Street,NATHALIA, Moira Shire	Particularly old Outstanding size This tree is notable for its large trunk circumference and unusual growth form. It is amongst the largest known examples of the species in Victoria, and is exceeded only by the specimen at Willsmere Hospital which is in poor condition. The tree has been previously pollarded but has regrown into a large attractive specimen. There is a crown cavity and the surrounding soil is compacted but the tree has good vigour. This species is a ... more	T11985	Regional
	Eucalyptus camaldulensis River Red Gum Reedy Lakes (Keys Point) , BARMAH, MOIRA SHIRE	Horticultural value Outstanding size This tree is located between Long Plain Track and Gulf Track and north of Gower's Track in the Barmah Forest Known as 'Munro's Pile', this outstanding specimen of "forest' Red Gum, is significant for its height (second only to 'Code's Pile')and straight branchless trunk to a height of 28.8m. The tree was struck by lightning in 1979 leaving a dark scar and roughened bark. A nearby tree is dead possible due to lightning. This tree ... more	T11986	State
	Eucalyptus camaldulensis River Red Gum Sand Ridge Road BARMAH, MOIRA SHIRE	Horticultural value Outstanding size Located and signposted on the east side of the road , near the junction of Swag Creek and Little Budgee Creek in the Barmah Forest. This tree is known as 'Code's Pile', and is the tallest example of the species in Victoria. A feature of the tree is its smooth straight trunk branchless to 24.7 m. The crown is predominantly on the west side and is an outstanding specimen of 'forest' Red Gum. Seed from this tree has been planted at the ... more	T11987	State
	Eucalyptus camaldulensis River Red Gum 'Green Engine', BARMAH, MOIRA SHIRE	Horticultural value Outstanding size Located in the northern section of the Barmah Forest, close to the Murray River this tree is known as 'Dexter's Tree'. This tree has one of the finest trunks observed in the Forest being solid, smooth, very straight, and branchless to 22.9 metres. It is in an area of the Forest containing some of the best stands of 'forest' Red Gum. Seed from this tree is planted at the Kyabram Research Farm Measurements: ... more	T11988	State

Image	Name	Detail	File number	Level
	Eucalyptus camaldulensis River Red Gum Barmah Forest, BARMAH, MOIRA SHIRE	Curious growth form Located in the northern section of the Barmah Forest, Punt Paddock near a Murray River lagoon, and about 1.4km east of 'Dexter's Tree': This tree is known as 'Galloway's Tree and is distinguished by its large buttress which exhibits flanging; not observed in other trees. The tree retains its rough bark towards the crown which is large and evenly distributed. It is branchless to 19.3m Measurements: 29/02/1992 Spread (m): 15.0 Girth (m): ... more	T11989	Regional
	Eucalyptus camaldulensis River Red Gum 'Top Island', BARMAH, MOIRA SHIRE	Remnant native vegetation Located in the north-west corner of the Barmah Forest before the first creek and with a metal name plate attached. Known as 'Assessor's Pile', this tree has a straight trunk to 18.0 metres and then divides into two wide main limbs with a large spreading crown. Measurements: 29/02/1992 Spread (m): 18.0 Girth (m): 3.24 Height (m): 41.2 Estimated Age (yrs): 200+ Condition: Good Access: Unrestricted Classified: ... more	T11990	Regional
	Eucalyptus camaldulensis River Red Gum Barmah Forest, BARMAH, MOIRA SHIRE	Outstanding size Located on the east side of the Barmah Forest and west of Barmah Island Creek, about halfway along the track on east side Known as the 'McCann Tree', this tree located by Jack Hutchison, is possibly the finest form of River Red Gum in the Barmah Forest. It has the largest measured circumference of the 'tall' trees and a large, fine crown (spread, density and form). It is branchless to 18.3 metres Measurements: 29/02/1992 Spread (m): 19.2 ... more	T11991	State
	Eucalyptus camaldulensis River Red Gum McPherson Road WUNGHNU, MOIRA SHIRE	Outstanding size Curious growth form A very unusual specimen which at some stage fell over and continued to grow. The tree has developed several large upright trunks, which has resulted in a tree with a large canopy and very broad spread. A similar occurrence exists near Yackandandah. The tree is a dominant feature in the landscape, growing in ideal conditions beside a depression.. Measurements: 06/1982 Spread (m): 45 Girth (m): 4.5 Height (m): 25 ... more	T12013	Regional
	Brachychiton populneus Kurrajong	Commemorating historical event These four Kurrajong (Brachychiton populneus) trees are the remnants of an Avenue of Honour that is understood to have extended from the gates of the Railway Station and	T12206	Regional

Image	Name	Detail	File number	Level
	Cnr Lott and Sharp Streets; Cnr Orr and Belmore Streets, YARRAWONGA, MOIRA SHIRE	ending at the railway crossing in the commercial centre of the city. In 1919 the Yarrawonga Shire announced a plan for an Avenue of Honour to commemorate the memory of the servicemen from the district. A list of 230 names was published but it is known that there ... more		
	Ficus macrophylla Moreton Bay Fig 1 Sharp Street, YARRAWONGA, VIC 3730 – Property No T12278	Horticultural value This Moreton Bay Fig (Ficus macrophylla) is thought to date to approximately 1878 and is horticulturally significant. The tree was originally planted closed to the house but was moved in 1939 when workers on the nearby channel project dragged it to its present location. It is and outstanding and unusual example of a mature tree that was transplanted and survived a further 60+ years. Measurements: 10/10/2013 height (m): ... more	T12278	Regional
	Tamarix aphylla Tamarisk 2 Tom Street Yarrawonga, MOIRA SHIRE	Measurements: December 2018 Spread (m): 9.3 Girth (m): 15.7 Height (m): 8 Estimated age (yrs): 80 Condition: Good Access: Restricted Classified: 26/08/2019 This group of 16 Tamarisk trees is a World War I memorial planting and is located at the Yarrawonga College P-12 Tom Street Campus. This group of Tamarisk (*Tamarix aphylla)* is significant for commemoration, contribution to ... more	T12401	Regional

Appendix 3 – Tree Inventory/Audit report (Example)

MoiraShire

Tree Inventory - 2018

HOMEWOOD

ID: 28822 **Moira ID:** 118763 **Inspections status** Updated

Botanical Name: *Eucalyptus torquata* **Tree type:** Street tree

Common Name: Coral Gum **Latitude / Longitude:** -36.010446, 146.01136

Origin: Native

St Planted: ELY STREET YARRAWONGA

Address: 14 ELY STREET YARRAWONGA 3730

Height x Width (m): 5m x 6m

DBH (cm): 15 **TPZ (m):** 2.00

Age: Semi mature **ULE:** 10-19 years

Health: Good **Structure:** Fair

Defects: Canopy wound from previous failure, Mechanical damage to trunk, Extended branches in canopy

Works: No works

Priority: None

Comments:

Failure Potential: 2. High

Failure Size: 4. 26-100mm

Target: 4. Vehicles, 47 at 50kph

Risk of Harm: 1/ 5000000

Nature Strip Width: 2-4m

Power Line: Low Voltage

Location: 2. Could be better no problems

Appendix 4 – Contractor Audit Checklist
Electric line clearance management
Contractor Site Safety Audit

Location	
Date	
Inspected by	
Contractor name	

✓ **TICK AS APPROPRIATE**

Site audit activity	Yes	No	N/A	Comment or Action required
Site Induction – records of all staff on site	☐	☐	☐	
Appropriate safety signage around site	☐	☐	☐	
Traffic Management as per TMP	☐	☐	☐	
First aid and emergency systems in place	☐	☐	☐	
PPE – Is the correct PPE being worn?	☐	☐	☐	
Plant and Equipment: Checklists completed Certified Operators Properly maintained and serviced	☐	☐	☐	
EWP use: Appropriately set up Full body harness used Spotter used where required Electrical test	☐	☐	☐	
Manual handling – proper lifting technique used and use of mechanical aids where possible	☐	☐	☐	
Hot works – Any works being carried out that could generate a spark? If yes, consider Fire Danger Rating (Nov – Apr)	☐	☐	☐	
Fire precautions provided on site, e.g. extinguisher	☐	☐	☐	
Overhead Services – No Go Zones adhered to?	☐	☐	☐	
Fall prevention – limbs clear of paths/road	☐	☐	☐	
Noise management	☐	☐	☐	
Supervision of staff	☐	☐	☐	
Site job safety analysis or risk assessment completed properly	☐	☐	☐	

Contractor notified: In person/on-site ☐ Phone ☐ Email ☐ Other _____

Date Contractor advised: _____/_____/_____

Appendix 5 – Local newspaper notification (Template)

Date

Vegetation Management near Power lines

Moira Shire Council is required to maintain tree clearance around power lines in compliance with the Electric Line Clearance Regulations 2020.

Council have contracted Felicitatem Pty Ltd to manage its annual program and maintain the vegetation clearance of overhead power lines in the following townships:
Cobram, Numurkah, Strathmerton and Yarrawonga

These works are expected to commence on DATE and will be carried out over the next 8 weeks.

For more information, please contact Moira Shire Council on 5871 9222.

Appendix 6 – Council's Annual Powerline Tree Trimming Audit and completed program – 2019 (Sample)

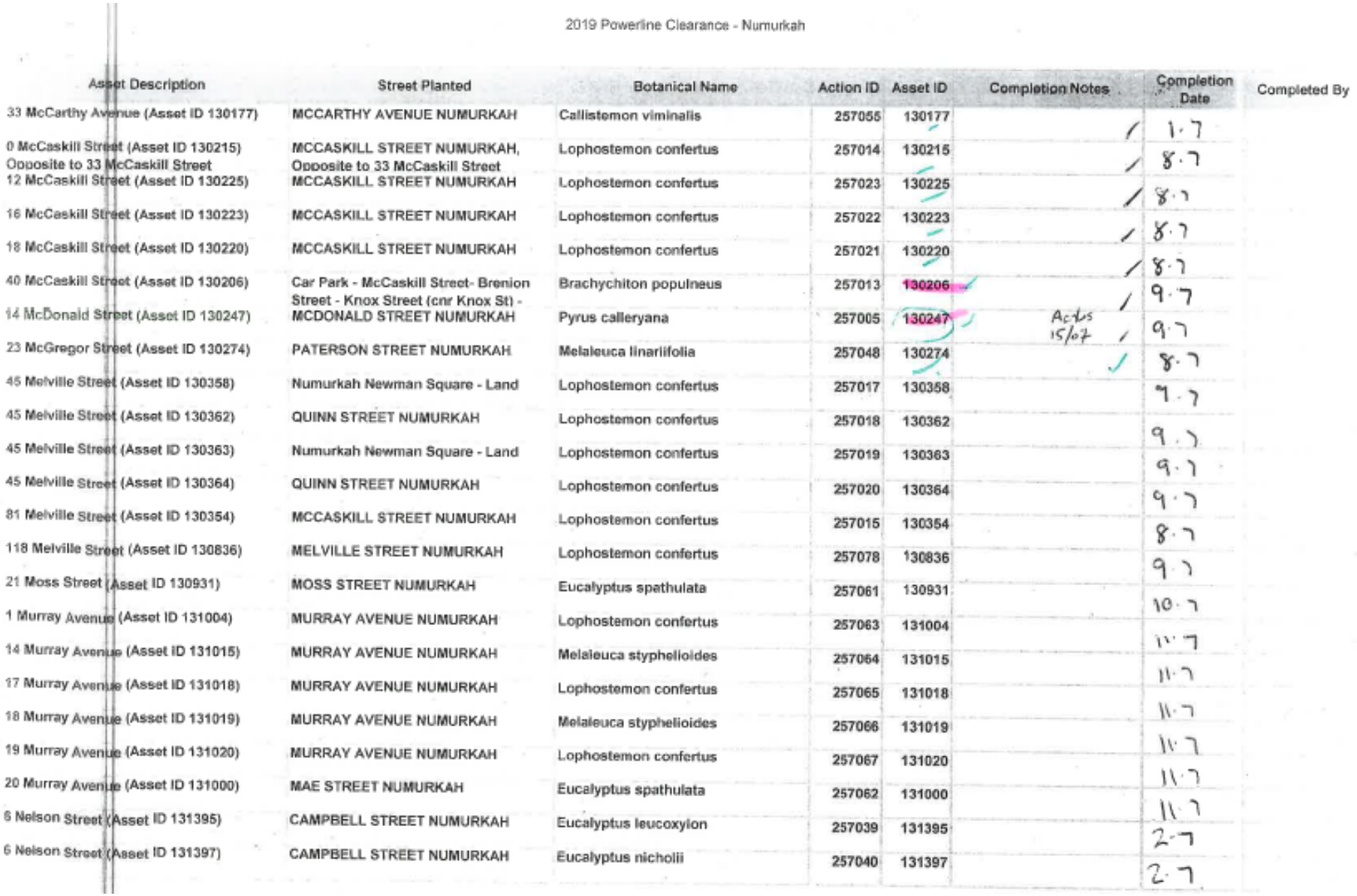
2019 Powerline Clearance - Cobram

Asset Description	Street Planted	Botanical Name	Action ID	Asset ID	Completion Notes	Completion Date	Completed By
6 Ashton Street - (Asset ID 109872)	ASHTON STREET COBRAM	Melaleuca styphelioides	254955	109872		25.7	Smiths Tree
10 Ashton Street - (Asset ID 109875)	ASHTON STREET COBRAM	Melaleuca styphelioides	254956	109875		25.7	Services
4 Bank Street - (Asset ID 109949)	BANK STREET COBRAM	Melaleuca linariifolia	255602	109949		26.7	- Benalla
8 Bank Street - (Asset ID 109951)	BANK STREET COBRAM	Melaleuca styphelioides	255601	109951		26.7	
8 Bank Street - (Asset ID 109952)	BANK STREET COBRAM	Melaleuca linariifolia	255600	109952		26.7	
8 Bank Street - (Asset ID 109953)	BANK STREET COBRAM	Melaleuca linariifolia	255599	109953		26.7	
10 Bank Street - (Asset ID 109954)	BANK STREET COBRAM	Melaleuca linariifolia	255598	109954		26.7	
43 Bank Street - (Asset ID 109960)	BANK STREET COBRAM	Acer platanoides	255668	109960		26.7	
30 William Street - (Asset ID 115773)	BANK STREET COBRAM	Melaleuca linariifolia	255597	115773		26.7	
19 Blackwood Crescent - (Asset ID 110111)	BLACKWOOD CRESCENT COBRAM	Melaleuca styphelioides	255647	110111		2-8	
23 Blackwood Crescent - (Asset ID 110113)	BLACKWOOD CRESCENT COBRAM	Melaleuca styphelioides	255648	110113		2-8	
31 Blackwood Crescent - (Asset ID 110124)	BLACKWOOD CRESCENT COBRAM	Melaleuca styphelioides	255649	110124		2-8	
37 Blackwood Crescent - (Asset ID 110127)	BLACKWOOD CRESCENT COBRAM	Melaleuca styphelioides	255650	110127		2-8	
41 Blackwood Crescent - (Asset ID 110129)	BLACKWOOD CRESCENT COBRAM	Melaleuca styphelioides	255651	110129		2-8	
45 Blackwood Crescent - (Asset ID 110132)	BLACKWOOD CRESCENT COBRAM	Melaleuca styphelioides	255653	110132		2-8	
29 Cooray Street - (Asset ID 111165)	BOORIN STREET COBRAM	Grevillea robusta	254919	111165		30.7.	
5 Brepbir Street - (Asset ID 110253)	BREPBIR STREET COBRAM	Prunus Xblireana	255588	110253		23.7	
5 Brepbir Street - (Asset ID 110256)	BREPBIR STREET COBRAM	Prunus Xblireana	255587	110256		23.7	
33 Churr Street - (Asset ID 110985)	BREPBIR STREET COBRAM	Melaleuca styphelioides	254921	110985		23.7	
1 Broadway Street - (Asset ID 110383)	BROADWAY STREET COBRAM	Ligustrum lucidum	254977	110383		30.7	
73 Broadway Street - (Asset ID 110451)	BROADWAY STREET COBRAM	Melaleuca linariifolia	254982	110451		30.7	
73 Broadway Street - (Asset ID 110452)	BROADWAY STREET COBRAM	Melaleuca linariifolia	254983	110452		30.7	
73 Broadway Street - (Asset ID 110453)	BROADWAY STREET COBRAM	Melaleuca styphelioides	254984	110453		30.7	

Appendix 6 – Council's Annual Powerline Tree Trimming Audit and completed program – 2019 *Continued*

Asset Description	Street Planted	Botanical Name	Action ID	Asset ID	Completion Notes	Completion Date	Completed By
52 Findlay Street (Asset ID134882)	MAGUIRE STREET STRATHMERTON	Grevillea robusta	257101	134882		22.7	Smith Tree
52 Findlay Street (Asset ID134883)	MAGUIRE STREET STRATHMERTON	Melia azedarach	257102	134883		22.7.	Service
70 Main Street (Asset ID135086)	FIRST STREET STRATHMERTON	Melaleuca armillaris	257098	135086		11.7	– Benalla.
81 Main Street (Asset ID135119)	MAIN STREET SERVICE ROAD (NORTH) STRATHMERTON	Grevillea robusta	257099	135119		22.7	
95 Main Street (Asset ID135140)	MAIN STREET SERVICE ROAD (NORTH) STRATHMERTON	Melaleuca armillaris	257100	135140		22-7	
104 Main Street (Asset ID135007)	MAIN STREET SERVICE ROAD (SOUTH) STRATHMERTON	Melaleuca styphelioides	257089	135007		22-7	
108 Main Street (Asset ID135080)	THIRD STREET STRATHMERTON	Fraxinus angustifolia subsp. angustifolia	257096	135080		11.7	
110 Main Street (Asset ID135063)	MAIN STREET SERVICE ROAD (SOUTH) STRATHMERTON	Lophostemon confertus	257095	135063		22-7	
112 Main Street (Asset ID135062)	MAIN STREET SERVICE ROAD (SOUTH) STRATHMERTON	Melaleuca styphelioides	257094	135062		22.7.	
116 Main Street (Asset ID135060)	MAIN STREET SERVICE ROAD (SOUTH) STRATHMERTON	Melaleuca styphelioides	257093	135060		22-7	
118 Main Street (Asset ID135059)	MAIN STREET SERVICE ROAD (SOUTH) STRATHMERTON	Lophostemon confertus	257092	135059		22.7	
120 Main Street (Asset ID135058)	MAIN STREET SERVICE ROAD (SOUTH) STRATHMERTON	Melaleuca styphelioides	257091	135058		22.7	
124 Main Street (Asset ID135056)	MAIN STREET SERVICE ROAD (SOUTH) STRATHMERTON	Melaleuca styphelioides	257090	135056		22.7	
2 Northill Avenue (Asset ID135470)	NORTHILL AVENUE STRATHMERTON	Corymbia citriodora	257086	135470		11.7	
8 Northill Avenue (Asset ID135472)	NORTHILL AVENUE STRATHMERTON	Eucalyptus botryoides	257087	135472		11.7	
12 Northill Avenue (Asset ID135475)	NORTHILL AVENUE STRATHMERTON	Eucalyptus leucoxylon	257088	135475		11.7	
35 Patrick Street (Asset ID135739)	PATRICK STREET STRATHMERTON	Grevillea robusta	257097	135739		11.7	

Appendix 6 – Council's Annual Powerline Tree Trimming Audit and completed program – 2019 *Continued*



2019 Powerline Clearance - Numurkah

Asset Description	Street Planted	Botanical Name	Action ID	Asset ID	Completion Notes	Completion Date	Completed By
33 McCarthy Avenue (Asset ID 130177)	MCCARTHY AVENUE NUMURKAH	Callistemon viminalis	257055	130177		1.7	
0 McCaskill Street (Asset ID 130215) Opposite to 33 McCaskill Street	MCCASKILL STREET NUMURKAH, Opposite to 33 McCaskill Street	Lophostemon confertus	257014	130215		8.7	
12 McCaskill Street (Asset ID 130225)	MCCASKILL STREET NUMURKAH	Lophostemon confertus	257023	130225		8.7	
16 McCaskill Street (Asset ID 130223)	MCCASKILL STREET NUMURKAH	Lophostemon confertus	257022	130223		8.7	
18 McCaskill Street (Asset ID 130220)	MCCASKILL STREET NUMURKAH	Lophostemon confertus	257021	130220		8.7	
40 McCaskill Street (Asset ID 130206)	Car Park - McCaskill Street- Brenion Street - Knox Street (cnr Knox St) -	Brachychiton populneus	257013	130206		9.7	
14 McDonald Street (Asset ID 130247)	MCDONALD STREET NUMURKAH	Pyrus calleryana	257005	130247	Acts 15/07	9.7	
23 McGregor Street (Asset ID 130274)	PATERSON STREET NUMURKAH	Melaleuca linariifolia	257048	130274		8.7	
45 Melville Street (Asset ID 130358)	Numurkah Newman Square - Land	Lophostemon confertus	257017	130358		9.7	
45 Melville Street (Asset ID 130362)	QUINN STREET NUMURKAH	Lophostemon confertus	257018	130362		9.7	
45 Melville Street (Asset ID 130363)	Numurkah Newman Square - Land	Lophostemon confertus	257019	130363		9.7	
45 Melville Street (Asset ID 130364)	QUINN STREET NUMURKAH	Lophostemon confertus	257020	130364		9.7	
81 Melville Street (Asset ID 130354)	MCCASKILL STREET NUMURKAH	Lophostemon confertus	257015	130354		8.7	
118 Melville Street (Asset ID 130836)	MELVILLE STREET NUMURKAH	Lophostemon confertus	257078	130836		9.7	
21 Moss Street (Asset ID 130931)	MOSS STREET NUMURKAH	Eucalyptus spathulata	257061	130931		10.7	
1 Murray Avenue (Asset ID 131004)	MURRAY AVENUE NUMURKAH	Lophostemon confertus	257063	131004		11.7	
14 Murray Avenue (Asset ID 131015)	MURRAY AVENUE NUMURKAH	Melaleuca styphelioides	257064	131015		11.7	
17 Murray Avenue (Asset ID 131018)	MURRAY AVENUE NUMURKAH	Lophostemon confertus	257065	131018		11.7	
18 Murray Avenue (Asset ID 131019)	MURRAY AVENUE NUMURKAH	Melaleuca styphelioides	257066	131019		11.7	
19 Murray Avenue (Asset ID 131020)	MURRAY AVENUE NUMURKAH	Lophostemon confertus	257067	131020		11.7	
20 Murray Avenue (Asset ID 131000)	MAE STREET NUMURKAH	Eucalyptus spathulata	257062	131000		11.7	
6 Nelson Street (Asset ID 131395)	CAMPBELL STREET NUMURKAH	Eucalyptus leucoxylon	257039	131395		2.7	
6 Nelson Street (Asset ID 131397)	CAMPBELL STREET NUMURKAH	Eucalyptus nicholii	257040	131397		2.7	

Appendix 6 – Council's Annual Powerline Tree Trimming Audit and completed program – 2019 *Continued*

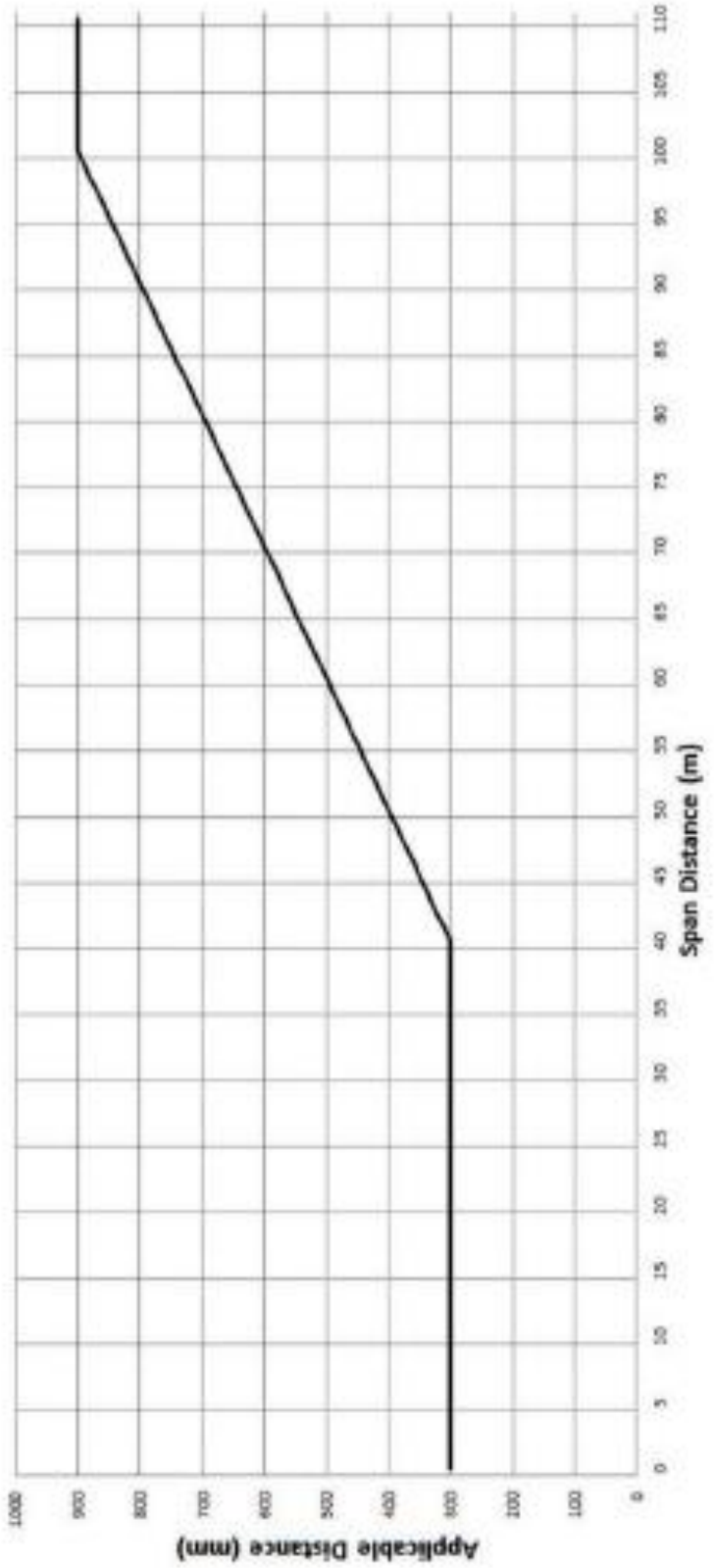
2019 Powerline Clearance - Yarrawonga

Asset Description	Street Planted	Botanical Name	Action ID	Asset ID	Completion Notes	Completion Date	Completed By
175 Belmore Street YARRAWONGA (Asset ID116872)	BELMORE STREET YARRAWONGA	Lophostemon confertus	257234	116872		12.8	
177 Belmore Street YARRAWONGA (Asset ID116803)	BELMORE STREET YARRAWONGA	Lophostemon confertus	257235	116803		12.8	
16 Benalla Road YARRAWONGA (Asset ID116998)	BENALLA ROAD YARRAWONGA	Fraxinus angustifolia subsp. Oxycarpa	257158	116998		6.8	
22 Benalla Road YARRAWONGA (Asset ID116973)	BENALLA ROAD YARRAWONGA	Fraxinus Raywood	257155	116973		6.8	
1/24 Benalla Road YARRAWONGA (Asset ID116975)	BENALLA ROAD YARRAWONGA	Fraxinus angustifolia subsp. Oxycarpa	257156	116975		6.8	
2 McLeod Street YARRAWONGA (Asset ID120771)	BENALLA ROAD YARRAWONGA	Fraxinus Raywood	257157	120771		6.8	
24 Burley Road YARRAWONGA (Asset ID117087)	BURLEY ROAD YARRAWONGA	Lophostemon confertus	257116	117087		7.8	
21 Oaten Street YARRAWONGA (Asset ID121465)	BURLEY ROAD YARRAWONGA	Eucalyptus leucoxylon	257112	121465		7.8	
21 Oaten Street YARRAWONGA (Asset ID121466)	BURLEY ROAD YARRAWONGA	Eucalyptus leucoxylon	257113	121466		7.8	
21 Oaten Street YARRAWONGA (Asset ID121500)	BURLEY ROAD YARRAWONGA	Eucalyptus melliodora	257108	121500		7.8	
21 Oaten Street YARRAWONGA (Asset ID121501)	BURLEY ROAD YARRAWONGA	Acacia pendula	257109	121501		7.8	
21 Oaten Street YARRAWONGA (Asset ID121502)	BURLEY ROAD YARRAWONGA	Eucalyptus polyanthemos	257110	121502		7.8	
21 Oaten Street YARRAWONGA (Asset ID121503)	BURLEY ROAD YARRAWONGA	Eucalyptus melliodora	257111	121503		7.8	
21 Oaten Street YARRAWONGA (Asset ID121504)	BURLEY ROAD YARRAWONGA	Schinus molle	257114	121504		7.8	
21 Oaten Street YARRAWONGA (Asset ID121505)	BURLEY ROAD YARRAWONGA	Acacia pendula	257115	121505		7.8	
5 Cahill Court YARRAWONGA (Asset ID117792)	CAHILL COURT YARRAWONGA	Melaleuca styphelioides	257209	117792		7.8	
9 Cahill Court YARRAWONGA (Asset ID117793)	CAHILL COURT YARRAWONGA	Melaleuca styphelioides	257210	117793		7.8	
41 McLean Street YARRAWONGA (Asset ID120742)	CAHILL COURT YARRAWONGA	Melaleuca styphelioides	257208	120742		7.8	
3 Churchill Place YARRAWONGA (Asset ID118054)	CHURCHILL PLACE YARRAWONGA	Fraxinus angustifolia subsp. Oxycarpa	257329	118054		13.8	
12 Coghill Street YARRAWONGA (Asset ID118082)	COGHILL STREET YARRAWONGA	Grevillea robusta	257291	118082		13.8	
18 Coghill Street YARRAWONGA (Asset ID118086)	COGHILL STREET YARRAWONGA	Fraxinus angustifolia subsp. Oxycarpa	257292	118086		13.8	
22 Coghill Street YARRAWONGA (Asset ID118059)	COGHILL STREET YARRAWONGA	Eucalyptus leucoxylon	257294	118059		13.8	
22 Coghill Street YARRAWONGA (Asset ID118095)	COGHILL STREET YARRAWONGA	Callistemon salignus	257293	118095		13.8	

Appendix 7 – Schedule 2 of the Regulations: Applicable distance for middle two thirds of a span of an electric line

GRAPH 1—INSULATED ELECTRIC LINES IN ALL AREAS

Clauses 3 and 24



Graph 1 Formula

The formula by which the applicable distance for the middle two thirds of a span of an electric line to which clause 24 applies is calculated is as follows:

For $0 < SD \leq 40$, AD = 300 mm

For $40 < SD \leq 100$, $AD = 300 + ((SD - 40) \times 10)$

For $100 < SD$, AD = 900 mm

Where:

SD = Span Distance

AD = Applicable Distance

Notes to Graph 1

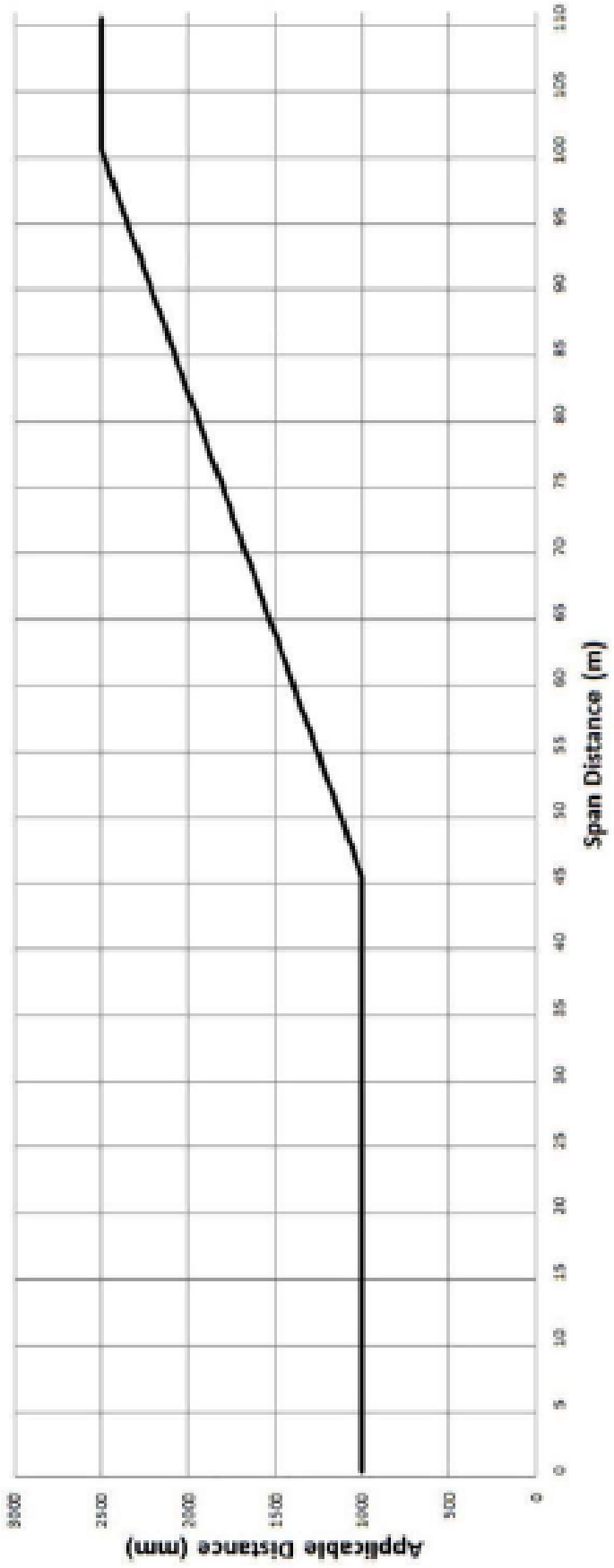
(1) The applicable distance includes allowances for sag and sway of the cable.

(2) The minimum clearance space for a span of an electric line to which this Graph and clause 24 apply is partially illustrated in Figures 1, 2 and 3.

(3) The applicable distance for the first and last sixths of a span of an electric line to which clause 24 applies is 300 millimetres.

GRAPH 2—UNINSULATED LOW VOLTAGE ELECTRIC LINE IN LOW BUSHFIRE RISK AREA

Clauses 3 and 25



Graph 2 Formula

The formula by which the applicable distance for the middle two thirds of a span of an electric line to which clause 25 applies is calculated is as follows:

For $0 < SD \leq 45$, AD = 1000 mm

For $45 < SD \leq 100$, AD = 1000 + ((SD - 45) × (1500 ÷ 55))

For $100 < SD$, AD = 2500 mm

Where:

SD = Span Distance

AD = Applicable Distance

Notes to Graph 2

(1) The applicable distance includes allowances for sag and sway of the cable for a span up to and including 100 metres in length.

(2) For a span longer than 100 metres, the applicable distance must be extended by an additional distance to allow for sag and sway of the cable. This is done by adding that distance to the applicable distance (see clause 25(2)(b)).

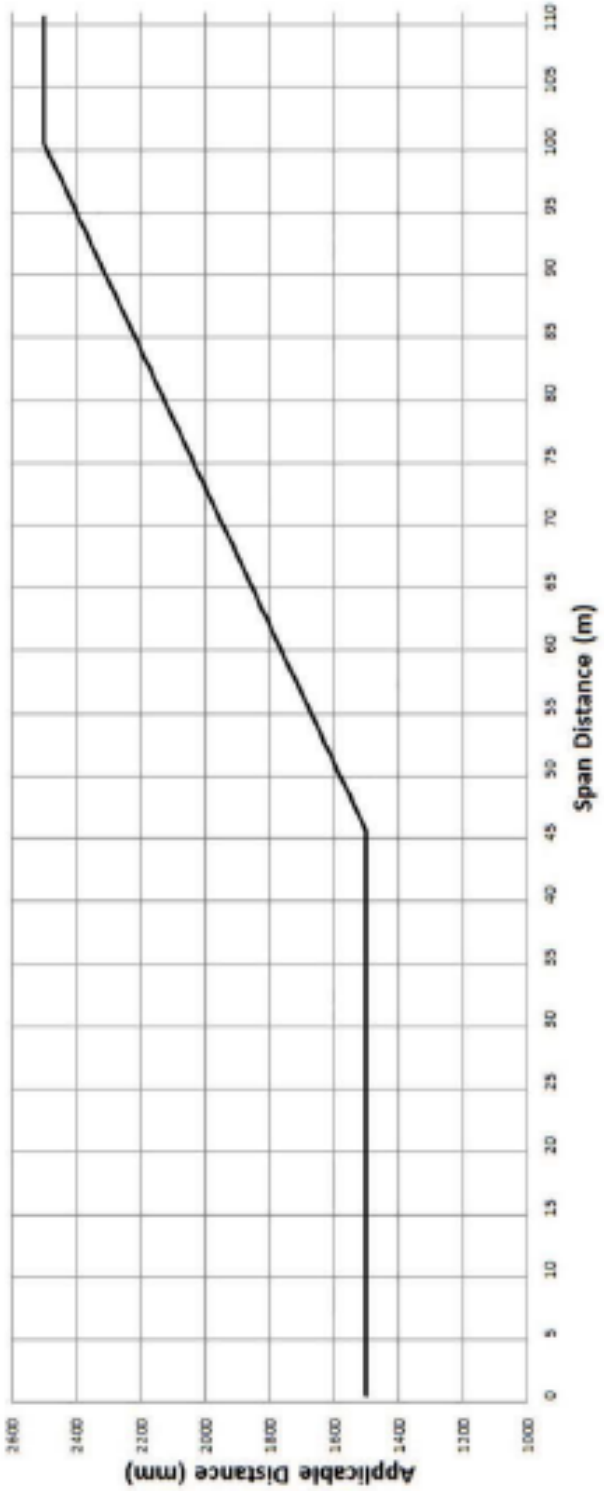
(3) A distribution company, or an owner or operator of a railway supply network or a tramway supply network, must assist a Council, if requested, by determining the additional distance that allows for sag and sway of the cable (see clause 21(2)).

(4) The minimum clearance space for a span of an electric line to which this Graph and clause 25 apply is partially illustrated in Figures 1 and 4.

(5) The applicable distance for the first and last sixths of a span of an electric line to which clause 25 applies is 1000 millimetres.

GRAPH 3—UNINSULATED HIGH VOLTAGE ELECTRIC LINE (OTHER THAN A 66 000 VOLT ELECTRIC LINE) IN LOW BUSHFIRE RISK AREA

Clauses 3 and 26



Graph 3 Formula

The formula by which the applicable distance for the middle two thirds of a span of an electric line to which clause 26 applies is calculated is as follows:

For $0 < SD \leq 45$, AD = 1500 mm

For $45 < SD \leq 100$, AD = 1500 + ((SD - 45) × (1000 ÷ 55))

For $100 < SD$, AD = 2500 mm

Where:

SD = Span Distance

AD = Applicable Distance

Notes to Graph 3

(1) The applicable distance includes allowances for sag and sway of the cable for a span up to and including 100 metres in length.

(2) For a span longer than 100 metres, the applicable distance must be extended by an additional distance to allow for sag and sway of the cable. This is done by adding that distance to the applicable distance (see clause 26(2)(b)).

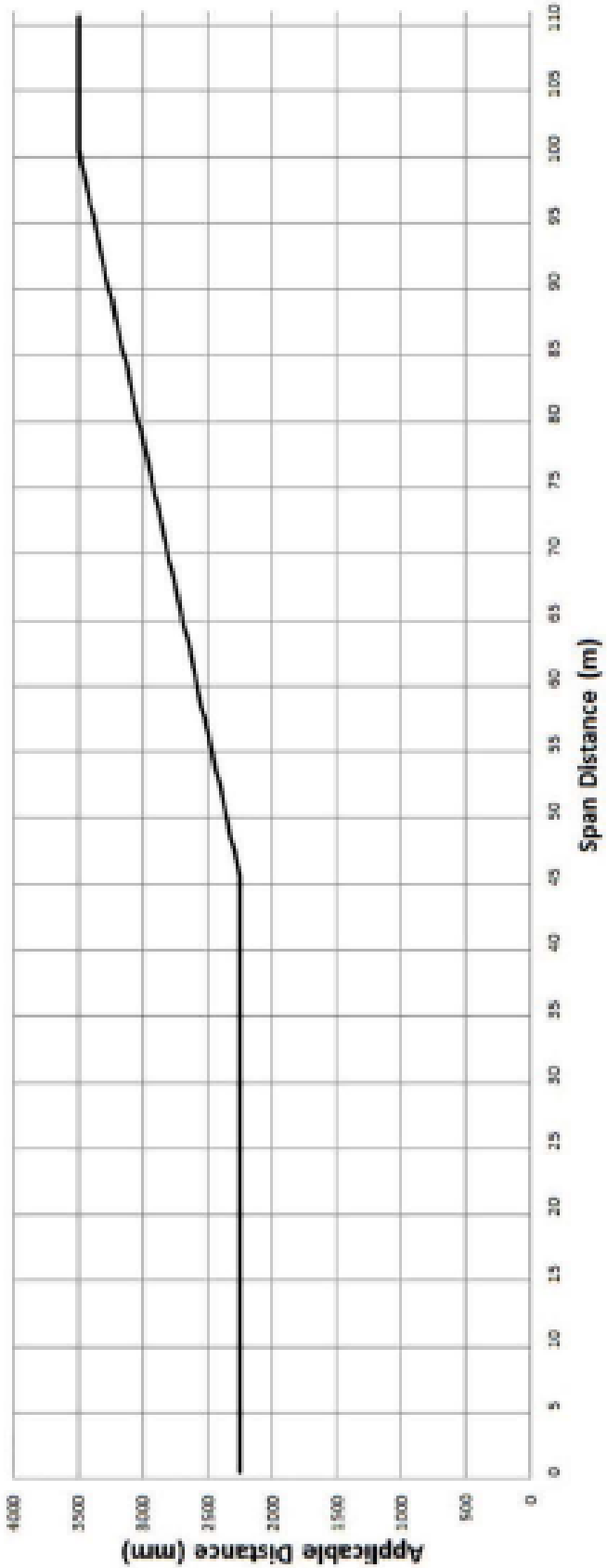
(3) A distribution company, or an owner or operator of a railway supply network or a tramway supply network, must assist a Council, if requested, by determining the additional distance (see clause 21(2)).

(4) The minimum clearance space for a span of an electric line to which this Graph and clause 26 apply is partially illustrated in Figures 1 and 3.

(5) The applicable distance for the first and last sixths of a span of an electric line to which clause 26 applies is 1500 millimetres.

GRAPH 4—UNINSULATED 66 000 VOLT ELECTRIC LINE IN LOW BUSHFIRE RISK AREA

Clauses 3 and 27



Graph 4 Formula

The formula by which the applicable distance for the middle two thirds of a span of an electric line to which clause 27 applies is calculated is as follows:

For $0 < SD \leq 45$, AD = 2250 mm

For $45 < SD \leq 100$, AD = 2250 + ((SD - 45) × (1250 ÷ 55))

For $100 < SD$, AD = 3500 mm

Where:

SD = Span Distance

AD = Applicable Distance

Notes to Graph 4

(1) The applicable distance includes allowances for sag and sway of the cable for a span up to and including 100 metres in length.

(2) For a span longer than 100 metres, the applicable distance must be extended by an additional distance to allow for sag and sway of the cable. This is done by adding that distance to the applicable distance (see clause 27(2)(a)(ii)).

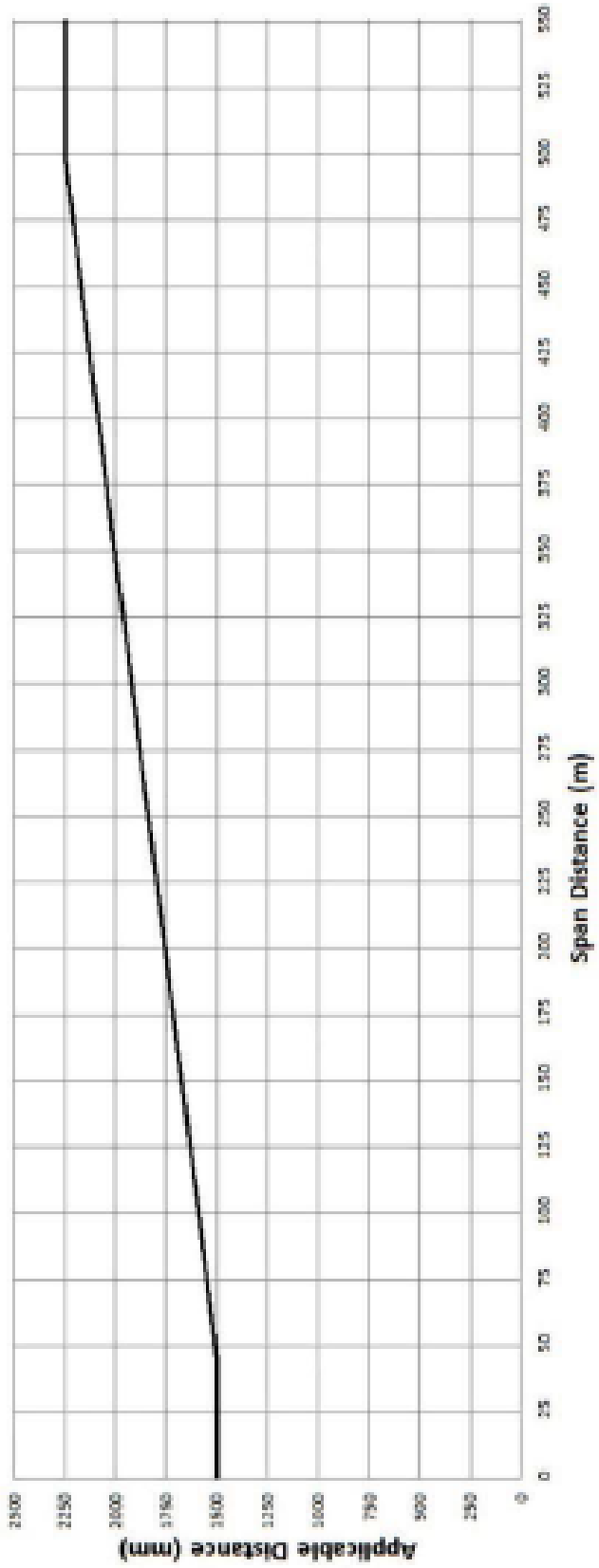
(3) A distribution company, or an owner or operator of a railway supply network or a tramway supply network, must assist a Council, if requested, by determining the additional distance (see clause 21(2)).

(4) The minimum clearance space for a span of an electric line to which this Graph and clause 27 apply is partially illustrated in Figures 1 and 5.

(5) The applicable distance for the first and last sixths of a span of an electric line to which clause 27 applies is 2250 millimetres.

GRAPH 5—UNINSULATED LOW VOLTAGE AND HIGH VOLTAGE ELECTRIC LINE (OTHER THAN A 66 000 VOLT ELECTRIC LINE) IN HAZARDOUS BUSHFIRE RISK AREA

Clauses 3 and 28



Graph 5 Formula

The formula by which the applicable distance for the middle two thirds of a span of an electric line to which clause 28 applies is calculated is as follows:

For $0 < SD \leq 45$, AD = 1500 mm

For $45 < SD \leq 500$, $AD = 1500 + ((SD - 45) \times (500 \div 303))$

For $500 < SD$, AD = 2250 mm

Where:

SD = Span Distance

AD = Applicable Distance

Notes to Graph 5

(1) The applicable distance must be extended by an additional distance to allow for sag and sway of the cable. This is done by adding that distance to the applicable distance (see clause 28(2)(a)).

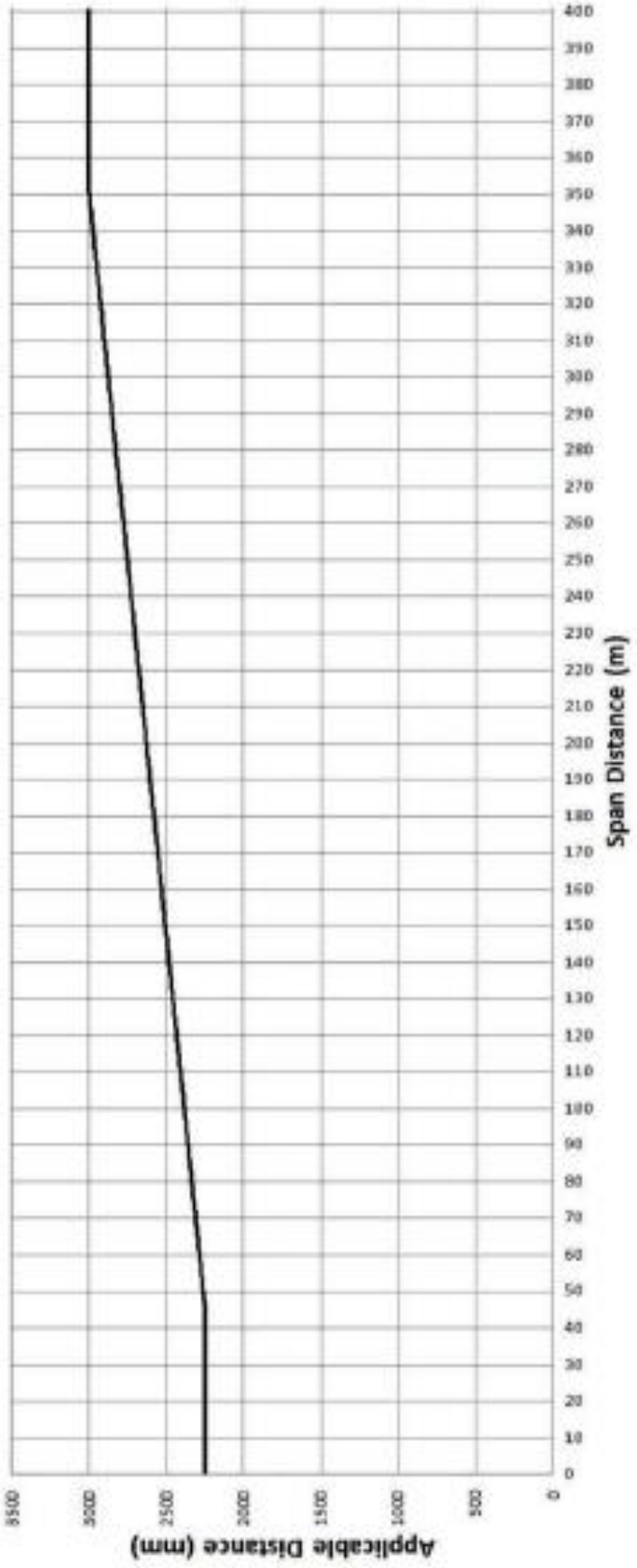
(2) A distribution company, or an owner or operator of a railway supply network or a tramway supply network, must assist a Council, if requested, by determining the additional distance (see clause 21(2)).

(3) The minimum clearance space for a span of an electric line to which this Graph and clause 28 apply is partially illustrated in Figures 1 and 5.

(4) The applicable distance for the first and last sixths of a span of an electric line to which clause 28 applies is 1500 millimetres.

GRAPH 6—UNINSULATED 66 000 VOLT ELECTRIC LINE IN HAZARDOUS BUSHFIRE RISK AREA

Clauses 3 and 29



Graph 6 Formula

The formula by which the applicable distance for the middle two thirds of a span of an electric line to which clause 29 applies is calculated is as follows:

For $0 < SD \leq 45$, AD = 2250 mm

For $45 < SD \leq 350$, AD = 2250 + ((SD - 45) × (750 ÷ 305))

For $350 < SD$, AD = 3000 mm

Where:

SD = Span Distance

AD = Applicable Distance

Notes to Graph 6

(1) The applicable distance must be extended by an additional distance to allow for sag and sway of the cable. This is done by adding that distance to the applicable distance (see clause 29(2)(a)).

(2) A distribution company, or an owner or operator of a railway supply network or a tramway supply network, must assist a Council, if requested, by determining the additional distance (see clause 21(2)).

(3) The minimum clearance space for a span of an electric line to which this Graph and clause 29 apply is partially illustrated in Figures 1 and 5.

(4) The applicable distance for the first and last sixths of a span of an electric line to which clause 29 applies is 2250 millimetres.

FIGURE 1—PLAN VIEW OF ELECTRIC LINES IN ALL AREAS

Clauses 24, 25, 26, 27, 28 and 29, Graphs 1, 2, 3, 4, 5 and 6

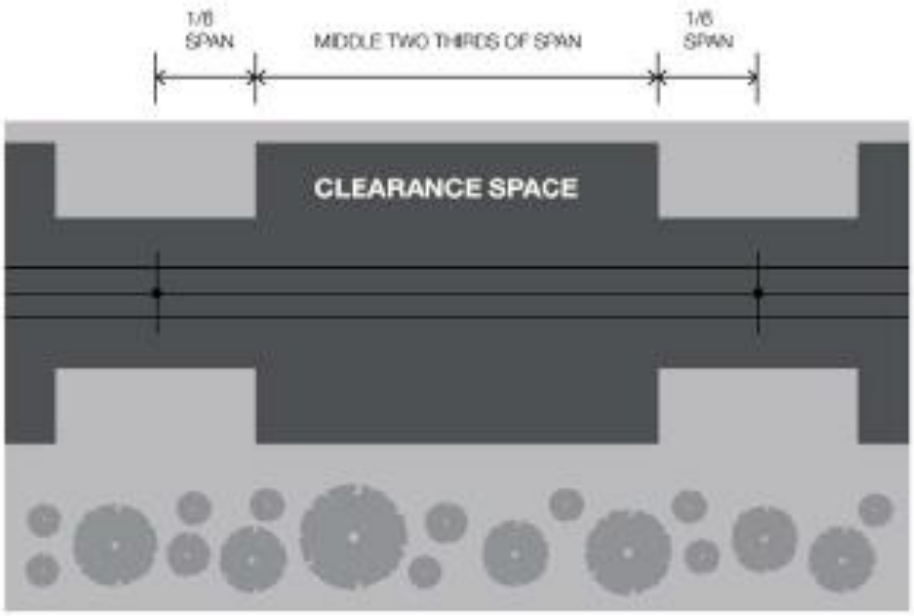
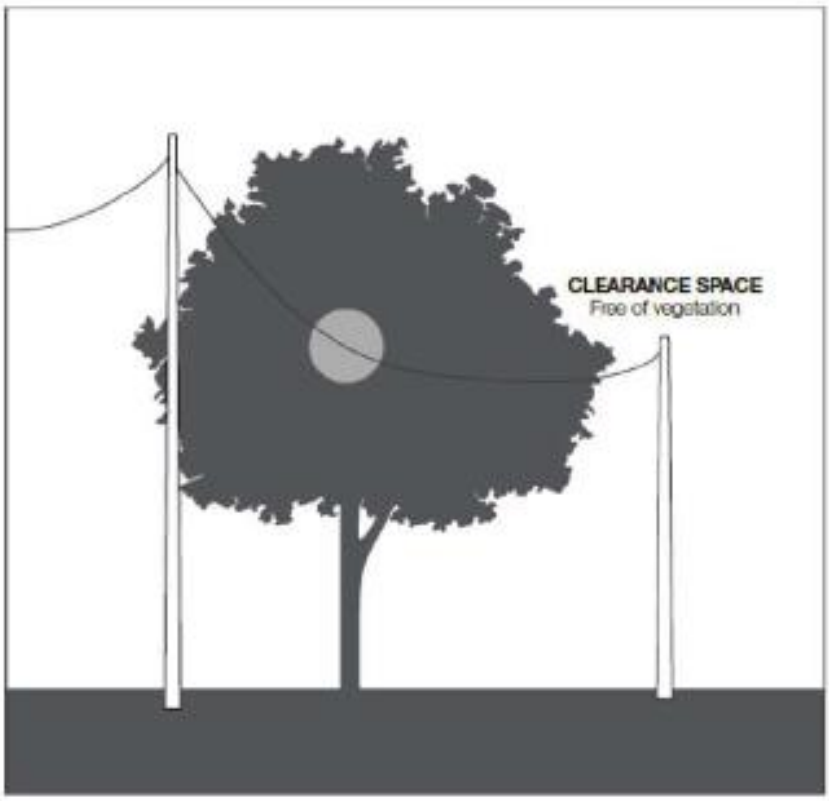


FIGURE 2—INSULATED ELECTRIC LINES IN ALL AREAS

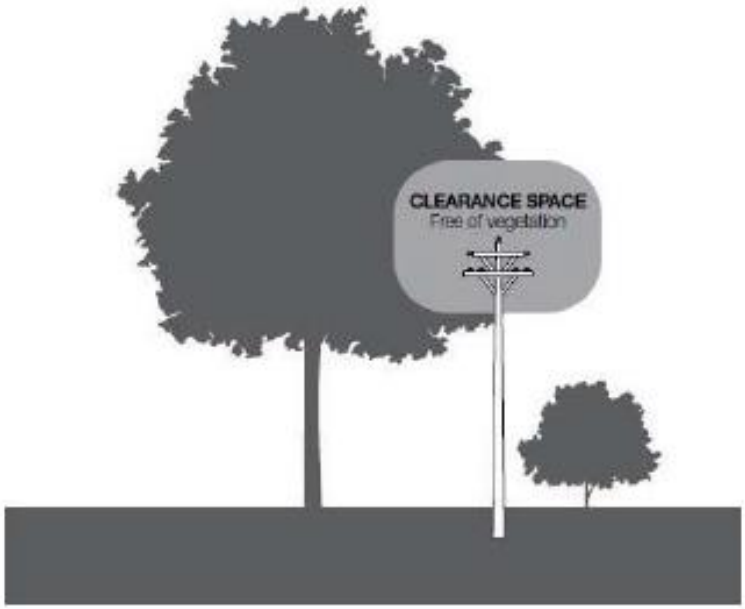
Clause 24, Graph 1



NOT TO SCALE

FIGURE 3—INSULATED ELECTRIC LINES IN ALL AREAS AND UNINSULATED HIGH VOLTAGE ELECTRIC LINES (OTHER THAN 66 000 VOLT ELECTRIC LINES) IN LOW BUSHFIRE RISK AREAS

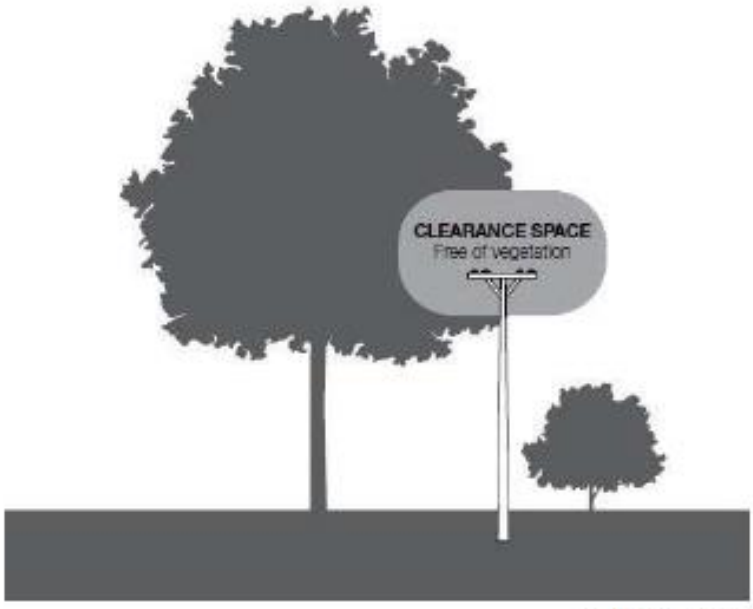
Clauses 24 and 26, Graphs 1 and 3



NOT TO SCALE

FIGURE 4—UNINSULATED LOW VOLTAGE ELECTRIC LINE IN A LOW BUSHFIRE RISK AREA

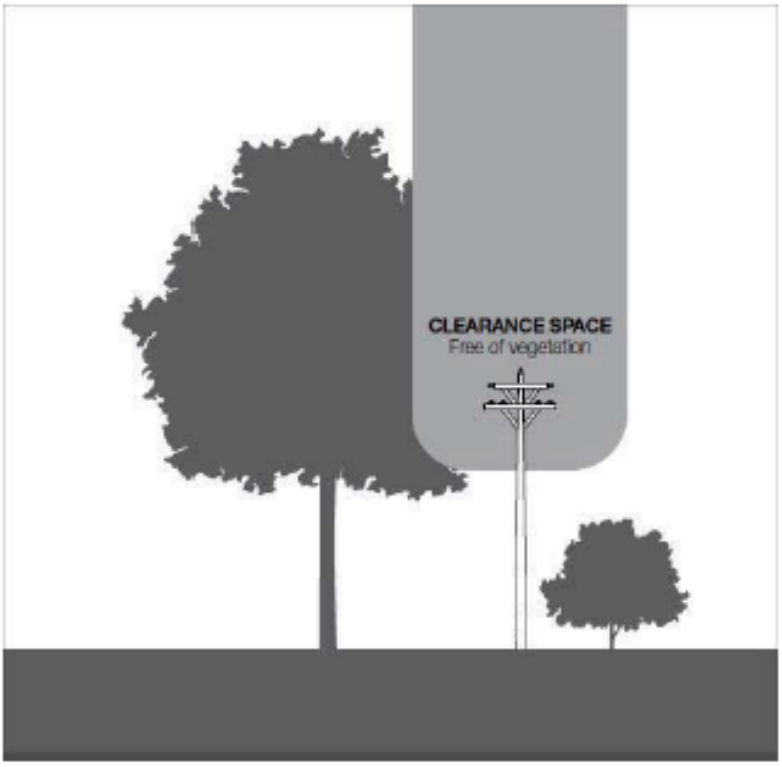
Clause 25, Graph 2



NOT TO SCALE

FIGURE 5—UNINSULATED 66 000 VOLT ELECTRIC LINE IN A LOW BUSHFIRE RISK AREA AND UNINSULATED ELECTRIC LINE IN A HAZARDOUS BUSHFIRE RISK AREA

Clauses 27, 28 and 29, Graphs 4, 5 and 6



NOT TO SCALE