

# Electric Line Clearance Management Plan

2023-2024

## Document version history

Version: [Version 9.0](#)

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Name: Nillumbik Shire Council

Authorised by: Carl Cowie, CEO, Nillumbik Shire Council

Authorisation date: 20 July 2023

| Version | Date          | Author  | Reason/Description   |
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| 9.0     | March 2023    | Andrew Solum, Arborist<br><br>David Keep, Coordinator<br>Parks and Open Space<br><br>Heath Gillett, Manager<br>Operations Centre              | Review and update the<br>2023-2024 plan to the<br>2020 Regulations |
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| 4.0     | 10 November 2016  | Conal Creedon, General Manager Infrastructure Services | Amendments in response to document audit by Energy Safe Victoria |
| 3.0     | 4 November 2016   | Conal Creedon, General Manager Infrastructure Services | Amendments in response to document audit by Energy Safe Victoria |
| 2.0     | 16 September 2016 | Conal Creedon, General Manager Infrastructure Services | Amendments in response to document audit by Energy Safe Victoria |
| 1.0     | 31 March 2016     | Lisa Pittle, Manager Infrastructure Maintenance        | Initial Release  |

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## Introduction

The Shire of Nillumbik is a 'green wedge' municipality located to the north east of Melbourne. The natural environment has attracted a community with a strong appreciation of the Shire's 'green wedge' role, landscape value, unique character of native vegetation, and which has a clear desire to protect those values which contribute to and affect their quality of life. Development and planning principles therefore incorporate retention of indigenous vegetation, flora and fauna habitats, and where possible minimal land form changes. The mix of semi-rural and residential landscape, abutting rural and natural bushland does however place the community at risk. Native plants and bushland are fire prone, and when interwoven with residential development, require careful and vigilant vegetation management programs.

Nillumbik Shire Council's Electric Line Clearance Management Plan (ELCMP) addresses the Electricity Safety (Electric Line Clearance) Regulations 2020 requirements, and ensures programs for vegetation management to minimise fire risk. The responsibility of Council is to satisfy electrical safety requirements, provide the community with protection, and ensure environmental and vegetation values are not diminished.

The Plan reflects a clear understanding of regional vegetation qualities, character and fire risk. Actions are based on sound and knowledgeable vegetation management practice to deliver outcomes that satisfy stakeholders, and fulfil principles of environmental management.

This Plan has been written so that each section responds to the requirements of the Electricity Safety (Electric Line Clearance) Regulations 2020, Part 2 – Prescribed Code of Practice and related provisions, 9 Preparation and submission of management plans.

## References

This Plan should be considered with regard to and refers to the following key documents for tree pruning and removal for Nillumbik Shire Council:

- Nillumbik Tree Management Policy 2018 (the Policy)
- Nillumbik Tree Management Guidelines 2018 (the Guidelines)
- Nillumbik Contract No 1819-055 Tree Pruning and other Associated Services (the Contract)
- Nillumbik Customer First Strategy 2023-2026

## Regulation 9

*The following sections – ‘Subregulation 2’ – are as per ‘Part 2—Prescribed Code of Practice and related provisions’, Regulation 9 (Preparation of management plan) of the Electricity Safety (Electric Line Clearance) Regulations 2020.*

### Subregulation 2

Nillumbik’s Parks and Open Space Coordinator is responsible for reviewing, amending and facilitating the authorisation of the plan by the CEO by 31 March each year for the following financial year.

The following action plan commencing in July prior outlines all necessary steps, deadlines and verification that the process is occurring and on track. This action plan is implemented by the Parks and Open Space Coordinator and monitored by the Operations Centre Lead.

#### Annual ELCMP review timetable

| Action  | Who                              | Deadline   |
|---|----------------------------------|------------|
| Send IT request for IT to contact AusNet Services for updated data for the following year   | Parks and Open Space Coordinator | July       |
| Send IT request for IT to contact Spatial Information Services for updated HBRA/LBRA data for the following year                          | Parks and Open Space Coordinator | July       |
| Contact AusNet Services and Spatial Information Services for updated GIS data   | GIS Administrator                | August     |
| Receive updated GIS data, update in system and notify Parks and Open Space Coordinator  | GIS Administrator                | October    |
| Notify Operations Centre Lead, Manager Infrastructure and Director Operations and Infrastructure that review/update of plan has commenced | Parks and Open Space Coordinator | 1 February |
| Check for amendments to regulations   | Parks and Open Space Coordinator | 1 February |

|  |  |   |
|--|--|---|
| Review and update plan in line with regulations and ensure standards, policies, training qualifications and documents are current. | Parks and Open Space Coordinator                               | 28 February   |
| Review final draft prior to submission for authorisation   | Operations Centre Lead and Manager Infrastructure              | 10 March  |
| Approve updates to plan and facilitate authorisation by the CEO  | Manager Infrastructure, Director Operations and Infrastructure | 24 March  |
| Authorisation of plan  | CEO  | 31 March  |
| Place plan on website  | Parks and Open Space Coordinator                               | Within two business days of approval of plan by the CEO |

Any request from Energy Safe Victoria to Nillumbik Shire Council to submit the Electric Line Clearance Management Plan is registered in Council's correspondence system and processed as follows:

- CEO, Chief Operating Officer Operations, Manager Operations Centre are notified by the Records Unit of the request from Energy Safe Victoria
- Manager Operations Centre assigns correspondence to the Parks and Open Space Coordinator

Parks and Open Space Coordinator drafts return correspondence to accompany the Electric Line Clearance Management Plan on behalf of the CEO and facilitates approval from the CEO through the Chief Operating Officer Operations and Manager Operations Centre. The Plan is submitted in the requested format within 14 days of request.



## **Responsible persons within Council**

### **(a) Name, address and telephone number of the responsible person:**

Name: Carl Cowie  
Position: CEO, Nillumbik Shire Council  
Address: Civic Drive, Greensborough (PO Box 476 Greensborough 3088)  
Telephone: 9433 3111

### **(b) Name, position, address and telephone number of the person who was responsible for the preparation of the management plan:**

Name: David Keep  
Position: Parks and Open Space Coordinator  
Address: Civic Drive, Greensborough (PO Box 476 Greensborough 3088)  
Telephone: 9433 3501

### **(c) Name, position, address and telephone number of the persons who are responsible for carrying out the management plan:**

Name: Andrew Solum  
Position: Senior Supervising Arborist  
Address: Civic Drive, Greensborough (PO Box 476 Greensborough 3088)  
Telephone: 9433 3504

### **(d) The telephone number of a 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:**

Operations Centre telephone (business hours): 9433 3500  
Emergency paging service telephone (after hours): 9433 3334

### **(e) The objectives of the management plan**

The objective of this management plan is to outline how Nillumbik Shire Council achieves the requirements of the Electricity Safety (Electric Line Clearance) Regulations 2020 within the Nillumbik Declared Area.

Nillumbik Shire Council will fulfil its role as a Responsible Person and comply with the Electricity Safety (Electric Line Clearance) Regulations 2020 (Regulations), particularly Schedule 1 Code of Practice for Electric Line Clearance (Code) and initiate procedures and practices accordingly, to:

- maintain minimum clearance between vegetation and electric lines in the area for which Council is responsible, to help ensure electrical safety, reliability of supply and to minimise fire starts
- ensure that vegetation clearance works are undertaken according to the appropriate standards to protect tree health, local amenity, culturally significant vegetation, habitat for native wildlife and the natural environment
- ensure that appropriately qualified staff are undertaking electric line vegetation clearance works
- ensure workplace safety
- ensure that affected people are informed of the electric line vegetation clearance works
- ensure that there is clear management processes for Council, contractors, distribution businesses, affected people and stakeholders to share information, communicate issues and resolve disputes.

All objectives are reviewed annually in line with the review and update of the Plan. Refer to sections (i) and (n) for outline of implementation, monitoring and auditing of objectives and key performance indicators, for which the Parks and Open Space Coordinator is responsible.

### **(f) The land to which the management plan applies**

The area for which Council is responsible is predominantly undulating hills and well treed. It takes in the suburbs of Eltham, Eltham North, Diamond Creek, Plenty and Greensborough, with a small number of streets in Wattle Glen. It is primarily made up of roadside reservations and plantations. Reservations are variable in width and proximity to overhead lines, or may be traversed by electric lines in a consistent and parallel line. These reservations are predominantly occupied by eucalypts and

acacias, but also other native and introduced species. Plantations are traversed by high or low voltage electric lines, aerial bundle cables or feeders to properties.

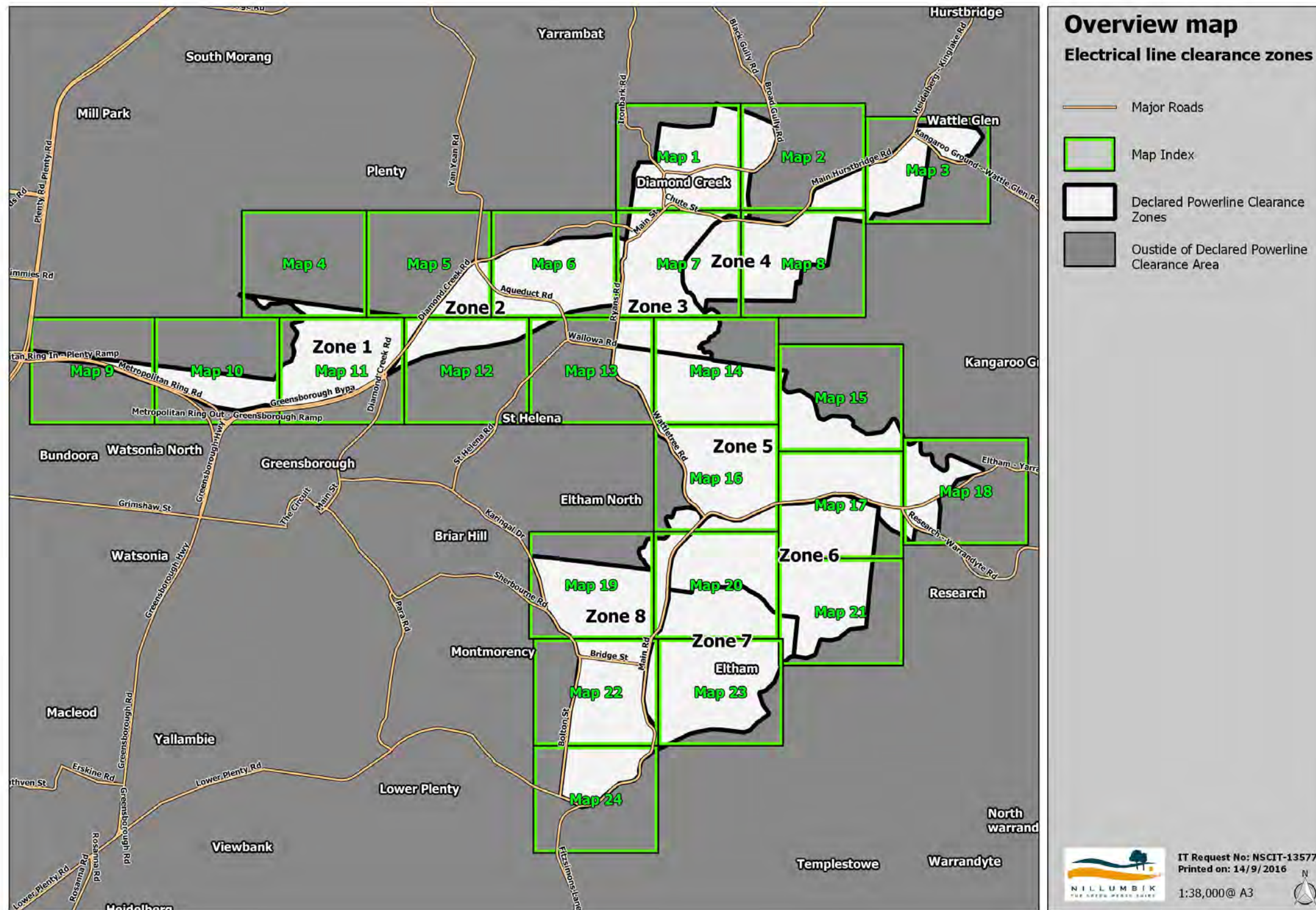
AusNet Services is responsible for vegetation clearance and management on private land.

The following key map (page 12) provides detailed information about the area of Nillumbik's management responsibility (declared area), with supporting appendices as follows:

- Appendix 1: Detailed maps of declared area
- Appendix 2: A list of streets and lengths where Nillumbik is responsible for electric line clearance
- Appendix 3: A detailed list of streets and adjacent property addresses in the HBRA where Nillumbik is responsible for electric line clearance

**Map: Nillumbik Declared Area and management zones within the declared area**

This map shows the Nillumbik Declared Area for the purpose of electric line vegetation clearance. The map shows the management zones which relate to the Nillumbik works program. Refer to Appendix 1 for Maps 1 to 24 which provide greater detail in relation to locality, presence of high voltage lines, low voltage lines and hazardous bushfire risk areas.



**(g) any hazardous bushfire risk areas and low bushfire risk areas in the land referred to in paragraph (f);**

Nillumbik Shire Council's declared area is nearly entirely in a Low Bushfire Risk Area (LBRA), however there are parts of roads at the edge of the declared area that are in the Hazardous Bushfire Risk Area (HBRA). Fire management within the declared area and clearance around electric lines is a shared responsibility between AusNet Services and Nillumbik Shire Council.

Nillumbik Shire Council is responsible for vegetation clearance and management of roadsides within the HBRA and LBRA. Council meets with CFA annually to review and verify HBRA. Council contacts CFA's Spatial Information Services and AusNet Services annually for updated data.

AusNet Services has provided detailed information about the HBRA spans within the Nillumbik declared area.

Refer to Appendix 1 for the detail of HBRA and LBRA.

**(h) The location of each area that the responsible person knows contains a tree that the responsible person may need to cut or remove to ensure compliance with the Code and that is:**

**(i) Indigenous to Victoria**

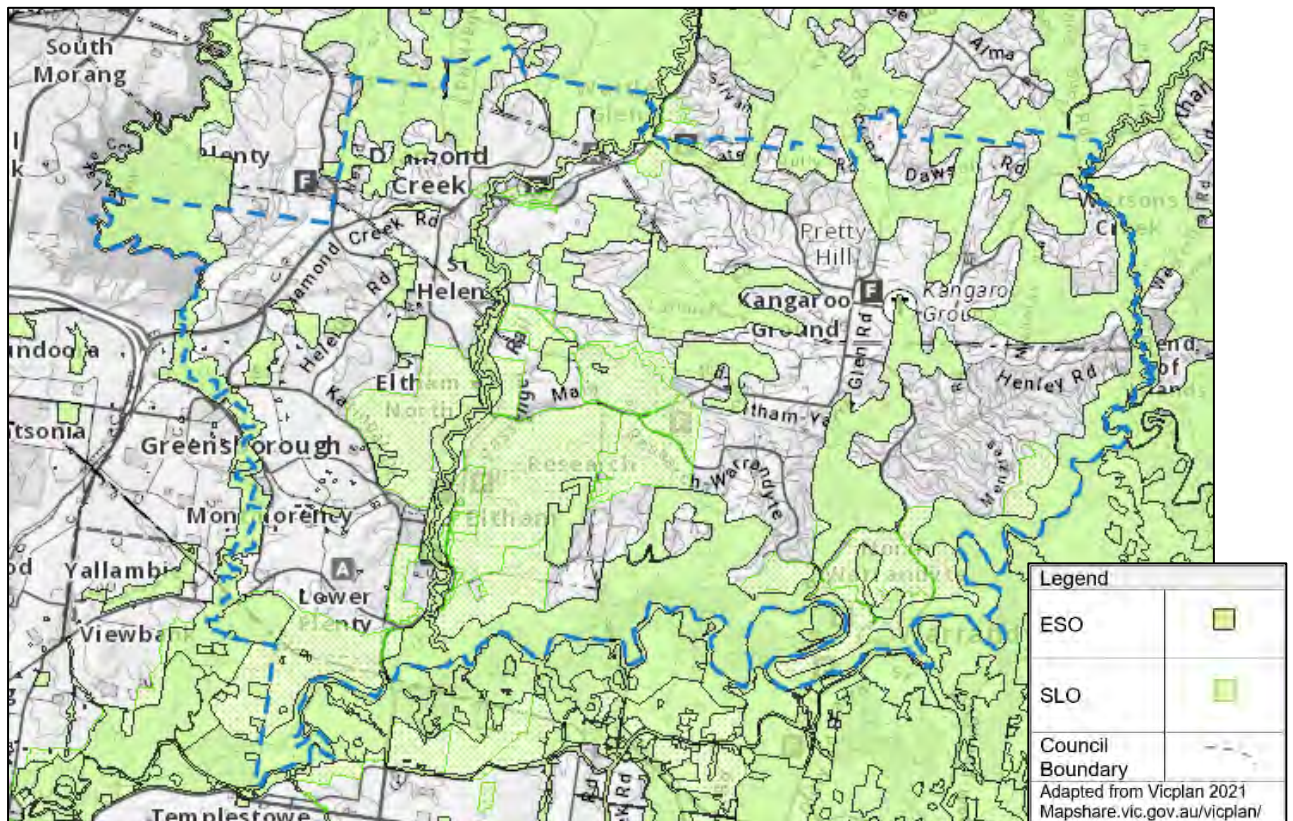
The Nillumbik Roadside Management Plan 2021 incorporates actions to protect, conserve and manage native grasslands and grassy woodlands, indigenous vegetation remnants, rare threatened or significant flora/fauna, regeneration of native plant communities, special environment areas, wildlife habitat, wildlife corridors, wetlands and wildlife crossings.

It is estimated that approximately 88 per cent of the vegetation along streets within the declared area is native. 54 per cent of this vegetation is indigenous to the Shire. Of the indigenous vegetation along the streets it is dominated by *Eucalyptus* spp. (69 per cent) and *Acacia* spp. (18 per cent). The dominate *Eucalyptus* species along streets in the declared area are *Eucalyptus melliodora* (35 per cent of *Eucalyptus* spp.), *Eucalyptus polyanthemus* (21 per cent), *Eucalyptus goniocalyx* (20 per cent) and *Eucalyptus macrorhyncha* (6 per cent).

The following maps are taken from the Roadside Management Plan 2021 and Council's GIS. This is in line with Nillumbik's Environmental Significance Overlay and/or Significant Landscape Overlay.

<https://www.planning.vic.gov.au/schemes-and-amendments/browse-planning-scheme/planning-scheme?f.Scheme%7CplanningSchemeName=Nillumbik>

## Map of Environmental Significance Overlay and Significant Landscape Overlay



The conservation value legend for the following maps is defined as follows:

- **High Conservation Value:** Relatively low level of disturbance, various vegetation layers present although not necessarily all, native vegetation occurs across much of the area, low weed levels, supports a range of habitats, may form a wildlife corridor, is linked to other native vegetation (adjoining), or may provide habitat for rare or threatened flora, fauna species, or EVCs, or may have other significant features such as areas of cultural significance.
- **Medium Conservation Value:** More than 25 per cent indigenous ground storey but there is considerable invasion of weeds and/or other disturbance, native vegetation occurs mainly in patches, some capacity for natural regeneration, few other habitat features.
- **Medium-Low Conservation Value:** Contains highly disturbed indigenous vegetation, with a ground storey comprising mostly weeds (i.e. less than 25 per cent indigenous ground storey). Often only indigenous canopy trees remaining and a patchy mid-storey of shrubs and small trees, few other habitat features.
- **Low Conservation Value:** Poor condition substantially disturbed and or modified, little if any native vegetation on site or adjacent, low natural regenerative capacity and few habitat features.

Council's conservation value mapping references the following resources:

Department of Energy, Environment and Climate Action

<https://www.deeca.vic.gov.au>

NatureKit 2.0, Victorian State Government, Department of Energy Environment and Climate Action

<https://maps2.biodiversity.vic.gov.au/Html5viewer/index.html?viewer=NatureKit>

National Vegetation Information System (NVIS)

<https://www.environment.gov.au/land/native-vegetation/national-vegetation-information-system>

Environment Protection and Biodiversity Conservation, Protected Matters Search Tool, Australian Government, Department of Agriculture, Water and the Environment

<https://www.environment.gov.au/epbc/protected-matters-search-tool>

Advisory List of Rare or Threatened Plants in Victoria

[https://www.environment.vic.gov.au/\\_data/assets/pdf\\_file/0021/50448/Advisory-List-of-Rare-or-Threatened-Plants-in-Victoria-2014.pdf](https://www.environment.vic.gov.au/_data/assets/pdf_file/0021/50448/Advisory-List-of-Rare-or-Threatened-Plants-in-Victoria-2014.pdf)

Advisory List of Threatened Vertebrate Fauna in Victoria

[https://www.environment.vic.gov.au/\\_data/assets/pdf\\_file/0014/50450/Advisory-List-of-Threatened-Vertebrate-Fauna\\_FINAL-2013.pdf](https://www.environment.vic.gov.au/_data/assets/pdf_file/0014/50450/Advisory-List-of-Threatened-Vertebrate-Fauna_FINAL-2013.pdf)

Advisory List of Threatened Invertebrate Fauna in Victoria

[https://www.environment.vic.gov.au/\\_data/assets/pdf\\_file/0016/50452/Advisory\\_List\\_of\\_Threatened\\_Invertebrate\\_Fauna\\_2009\\_FINAL\\_Sept\\_2009.pdf](https://www.environment.vic.gov.au/_data/assets/pdf_file/0016/50452/Advisory_List_of_Threatened_Invertebrate_Fauna_2009_FINAL_Sept_2009.pdf)

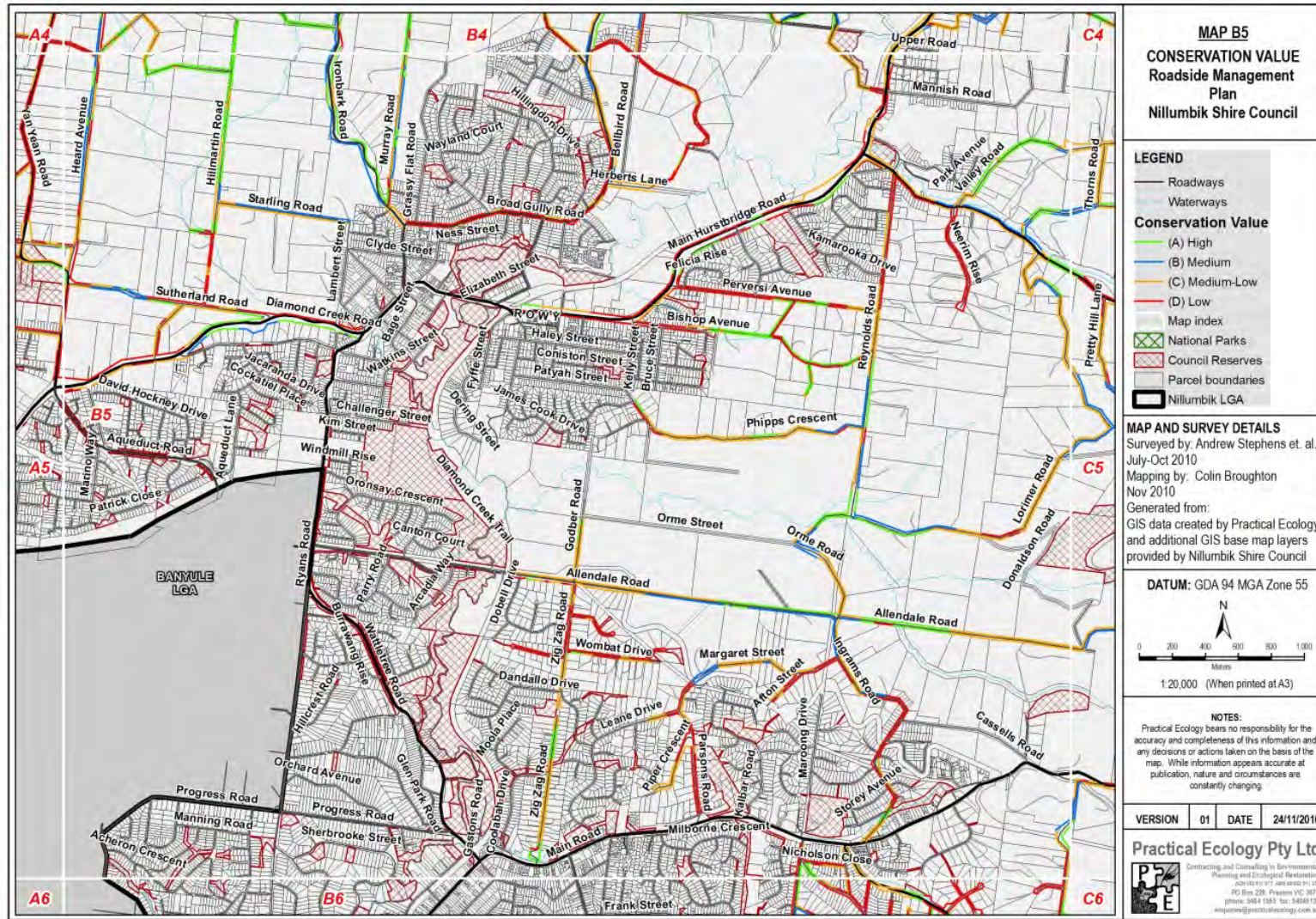
# Map of roadside vegetation conservation value- Nillumbik Declared Area



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# Map of roadside vegetation conservation value- Nillumbik Declared Area

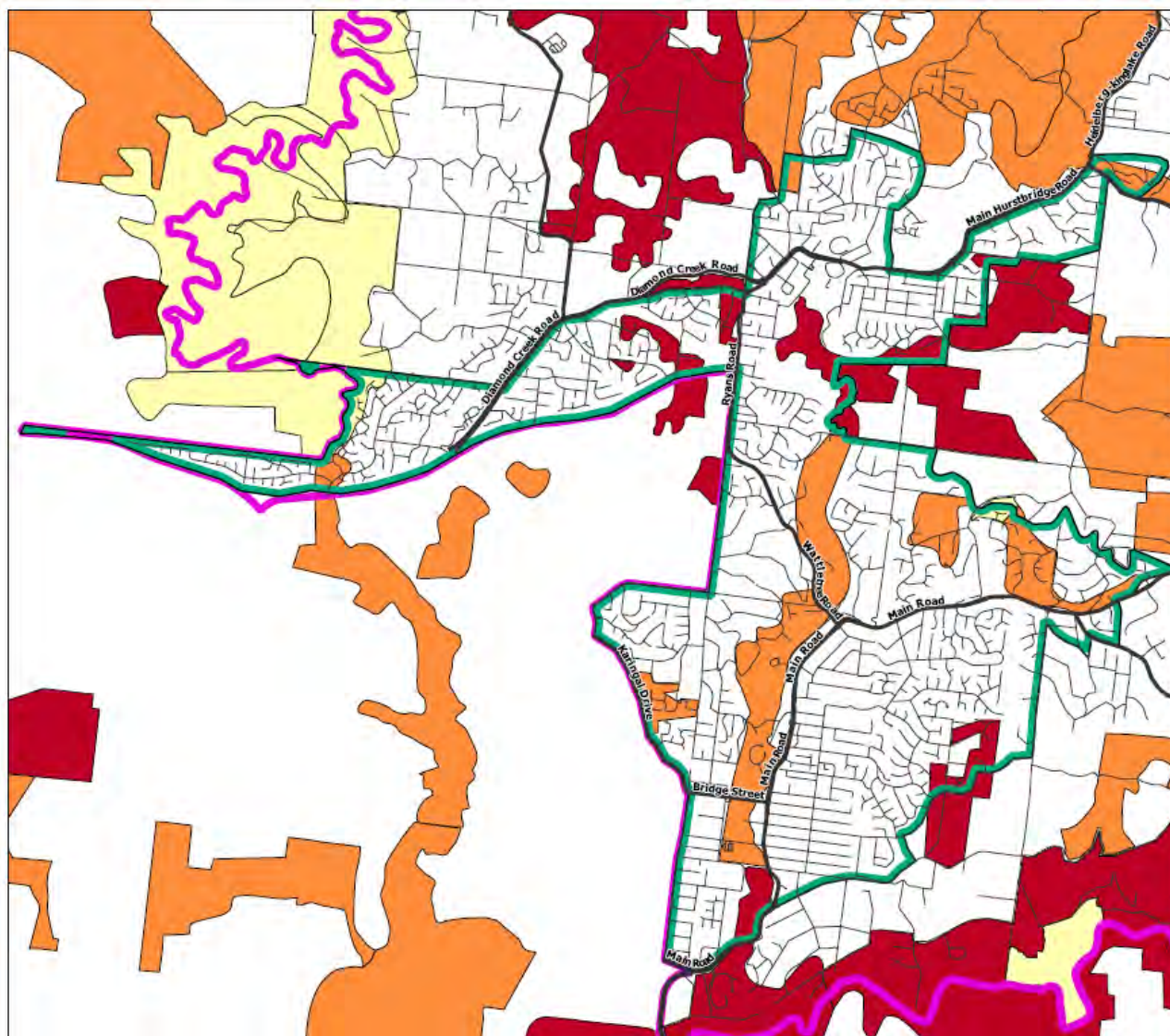


# Map of roadside vegetation conservation value- Nillumbik Declared Area

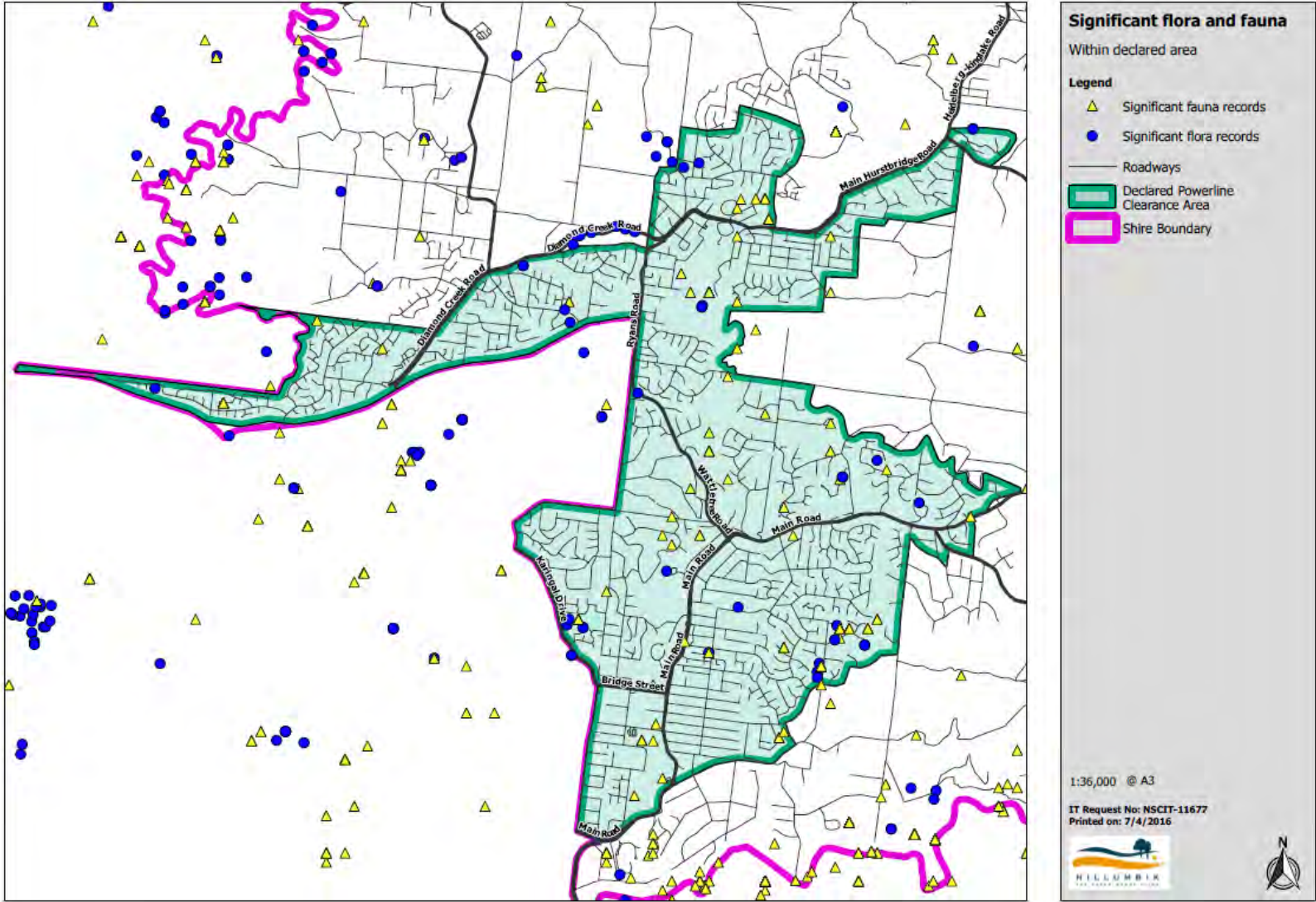


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## Map of faunal habitat significance – Nillumbik Declared Area



**Map of significant flora and fauna – Nillumbik Declared Area**



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**(ii) listed in the planning scheme to be of ecological, historical or aesthetic significance**

The following is a list of trees identified in the heritage overlay and within the declared area within the vicinity of electric lines, which will be assessed separately to determine pruning cycles. If the need arises for alternative mechanisms, approval will be sought from Energy Safe Victoria in accordance with clause 31 of the Code.

| <b>Type of tree</b>     | <b>Address</b>   | <b>Zone</b> |
|-------------------------|--|-------------|
| London Plane Trees (12) | Avenue of Honour, Main Road – between Brougham Street and Dalton Street and Withers Way, Eltham<br><br><a href="https://vhd.heritagecouncil.vic.gov.au/places/126641">https://vhd.heritagecouncil.vic.gov.au/places/126641</a> | 7 and 8     |
| Manna Gums (14)         | Eltham Watering place Reserve (Wingrove Park), 645 Main Road, Eltham<br><br><a href="https://vhd.heritagecouncil.vic.gov.au/places/63522">https://vhd.heritagecouncil.vic.gov.au/places/63522</a>                              | 8           |

**(iii) a tree of cultural or environmental significance**

The following table is a Council list of significant trees within the declared area within the vicinity of electric lines, which will be assessed separately to determine pruning cycles.

| <b>Type of tree</b>                                | <b>Address</b>                      | <b>Zone</b> |
|--|-------------------------------------|-------------|
| <i>Eucalyptus melliodora</i> (28)                  | 1120-1186 Main Road, Eltham         | 6           |
| <i>Eucalyptus leucoxylon</i> subsp. <i>Connata</i> | Opposite 24 Pipers Crescent, Eltham | 5           |
| <i>Eucalyptus rubida</i>                           | 47 Arthur Street, Eltham            | 7           |

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

Section (h) of this Plan will be reviewed and updated annually. Maps will be checked and updated if required. Council does not require a planning permit for electric line clearance works within the declared area within the ESO or SLO.

Contractors contact Council if there are any site indicators that a tree may have significance if they haven't already been alerted to it by Council. Before any works are undertaken on old mature indigenous plants, trees are inspected. In the event a significant tree is identified, no pruning shall occur without further consultation with Council.

Nillumbik Shire Council does not currently have an inventory of its tree population, and has no immediate plans to create one. Trees are identified by a qualified arborist with knowledge of indigenous, native and exotic trees. Council staff also refer to maps detailed in section (g) and the relevant planning overlays and GIS to ensure that minimal impact is made in areas of cultural, historical, botanical, ecological or habitat significance for rare or endangered species.

Trees are identified and managed in line with the Nillumbik Tree Management Policy and Guidelines 2018 (<https://www.nillumbik.vic.gov.au/Explore/Environment/Natural-environment/Plants-and-trees/Trees>) and Roadside Management Plan 2021 (<http://www.nillumbik.vic.gov.au/Living-in/Roads-drains-and-paths>).

**(j) 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 proposed to be adopted for managing trees and maintaining a minimum clearance space as required by the Code**

The Shire of Nillumbik declared area has been divided into eight defined management zones (refer to section (f) for the key location map and Appendix 1 for detailed zone maps).

Council has an annual electric line clearance program, which is divided into two cycles. Vegetation around low voltage electric lines is pruned on a two year cycle, with zones 1-5 pruned one year and zones 6-8 pruned the alternate year. Vegetation around high voltage electric lines and in Hazardous Bushfire Risk Areas (HBRA) is pruned annually.

The goal of pruning to ensure that regrowth into the clearance space does not occur within the pruning cycle.

## Current biennial schedule summary

The following provides a summary of the cyclical works program:

| Action                           | Details   | Timing  | KPI   | Who  |
|----------------------------------|---|---|---|--|
| <b>Inspections</b>               | <p><b>Annual</b></p> <p>High voltage –<br/>Zone 1-8</p> <p>HBRA – Zone 1-8</p> <p><b>Biannual</b></p> <p><b>2023</b></p> <p>Low voltage –<br/>Zone 1-5</p> <p><b>2024</b></p> <p>Low voltage –<br/>Zone 6-8</p> | June–August   | Inspection data received, reviewed and uploaded by 1 August                                   | Contractor (Steven’s Specialist Tree Services) |
| <b>Notification to community</b> | Written notice on Council’s website about electric line vegetation clearance works at least 14 days and not more than 60 days prior to work crews commencing works.   | Late July-early August  | Ad placed on website by late July – at least 14 days and not more than 60 days prior to works | Team Leader Arboriculture / Communications     |
| <b>Pruning works</b>             | <p>High voltage –<br/>Zones 1-8</p> <p>HBRA – Zones 1-8</p> <p><b>2023</b></p> <p>Low voltage –<br/>Zone 1-5</p>  | <p><b>HBRA</b></p> <p>1 August–30 -<br/>September</p> <p><b>HV &amp; LV</b></p> <p>August–30<br/>November</p> | <p>HBRA areas completed by 30 September</p> <p>HV &amp; LV completed by 30 November</p>       | Contractor (Steven’s Specialist Tree Services) |

|                       |   |  |   |  |
|-----------------------|---|--|---|--|
|                       | <b>2024</b><br>Low voltage –<br>Zone 6-8  |  |   |  |
| <b>Audit of works</b> | High voltage –<br>Zones 1-8<br><br>HBRA – Zones 1-8<br><br><b>2023</b><br>Low voltage –<br>Zone 1-5<br><br><b>2024</b><br>Low voltage –<br>Zone 6-8 | <b>HBRA</b><br>October<br><br><b>HV &amp; LV</b><br>November | Sample audit of HBRA undertaken by 31 October<br><br>Sample audit of HV / LV completed by 30 November     | Team Leader Arboriculture                      |
| <b>Follow up</b>      | Any non-compliant works required following audit  |  | Works completion data received and uploaded from contractors within four weeks of completion of the works | Contractor (Steven's Specialist Tree Services) |

- **Inspection**

Prior to the year's pruning works, Council inspects the following within the declared area:

- the zones scheduled for pruning that year (low voltage electric lines)
- vegetation around high voltage electric lines
- vegetation around electric lines in Hazardous Bushfire Risk Areas

These areas are inspected by a suitably-qualified person to identify required works and program these works to be completed prior to the commencement of the upcoming fire season. Inspections include recording excessive regrowth which may



encroach on the clearance space before the next scheduled prune. These trees are prioritised and scheduled towards the start of the year's pruning program.

The inspection record is street by street and the adjacent property number is used as an indicator of where pruning is required.

- **Tree pruning, removal and managing regrowth**

The works are undertaken by suitable contractors with the required qualifications and training, in accordance with Nillumbik Contract No **1819-055 Tree Pruning and other Associated Services** (the Contract). Refer to *Section 4.3 Electric Line Clearance* of the specifications.

Trees are pruned to the required clearance spaces as outlined in Schedule 1 Part 3 – Minimum clearance spaces of the Electricity Safety (Electric Line Clearance) Regulations 2020. Schedule 2 and consultation with AusNet Services provides guidance on additional allowance for sag and sway.

All pruning will take place in accordance with AS 4373-2007 Pruning of Amenity Trees, and where possible, pruning will be undertaken in a way that minimises damage to understorey vegetation, as specified in clause 4.1.1 'Standard of pruning works' and 11.3 'Guidelines: pruning for electric line clearance' of the Contract.

The contractor undertaking the pruning will determine the required level of pruning on each tree by considering the following factors: tree species and likely growth; pruning cycle; minimum clearance space including sag and sway where required, and pruning standards. In time, as data is collected and regrowth rates identified, less pruning may provide appropriate clearance.

Based on an expected regrowth of 0.4-1 metre per year, on average, trees will be pruned back at least 1-2 metres from the required minimum clearance space.

### ***Pruning around low voltage lines in Low Bushfire Risk Areas***

Where there are low voltage lines in Low Bushfire Risk Areas there is at least 1000mm minimum clearance with additional allowance for sag and sway where required as per Schedule 2 of the Code and in consultation with AusNet Services.

Where spans are between 45 and 70 metres, the minimum clearance increases to 2000mm.

Where spans are more than 70 metres, the minimum clearance increases to 2500mm.

The total pruning distance to maintain the minimum clearance for the two year pruning cycle will be at least a further 1-2 metres based on a cumulative understanding of the regrowth at that location which is recorded during the inspection above and also to achieve the AS 4373-2007 Pruning of Amenity Trees standard to protect the health, amenity and stability of the tree.

### ***Pruning around high voltage lines in Low Bushfire Risk Areas***

Where there are high voltage lines in Low Bushfire Risk Areas there is at least 1500mm minimum clearance with additional allowance for sag and sway where required as per Schedule 2 of the Code and in consultation with AusNet Services.

Where spans are between 45 and 70 metres, the minimum clearance increases to 2000mm.

Where spans are more than 70 metres, the minimum clearance increases to 2500mm.

The total pruning distance to maintain the minimum clearance for the annual pruning cycle will be at least a further 1-2 metres based on a cumulative understanding of the regrowth at that location which is recorded during the inspection above and also to achieve the AS 4373-2007 Pruning of Amenity Trees standard to protect the health, amenity and stability of the tree.

### ***Pruning around low voltage lines in Hazardous Bushfire Risk Areas***

Where there are low voltage lines in Hazardous Bushfire Risk Areas there is at least 1500mm minimum clearance with additional allowance for sag and sway where required as per Schedule 2 of the Code and in consultation with AusNet Services.

Where spans are more than 45 metres up to 350 metres, the minimum clearance increases to 2000mm.

The total pruning distance to maintain the minimum clearance for the two year pruning cycle will be at least a further 1-2 metres based on a cumulative understanding of the regrowth at that location which is recorded during the inspection above and also to achieve the AS 4373-2007 Pruning of Amenity Trees standard to protect the health, amenity and stability of the tree.

## ***Pruning around high voltage lines in Hazardous Bushfire Risk Areas***

Where there are high voltage lines in Hazardous Bushfire Risk Areas there is at least 1500mm minimum clearance with additional allowance for sag and sway where required as per Schedule 2 of the Code and in consultation with AusNet Services.

Where spans are more than 45 metres up to 350 metres, the minimum clearance increases to 2000mm.

There is one instance of a 66kV line in the Hazardous Bushfire Risk Areas and in that case the minimum clearance increases to 2250mm (up to 45m span) to 3000mm (up to 350m span) depending on the span length.

The total pruning distance to maintain the minimum clearance for the annual pruning cycle will be at least a further 1-2 metres based on a cumulative understanding of the regrowth at that location which is recorded during the inspection above and also to achieve the AS 4373-2007 Pruning of Amenity Trees standard to protect the health, amenity and stability of the tree.

### ***Tree removal***

Tree removal may occur if the tree is of immediate risk in terms of the tree or branches falling, or if the growth rate of an individual tree will impact on the clearance space in less than one year. Including vegetation in HBRA found in clearance space after declaration.

Small sapling trees may also be removed that have grown since the last pruning cycle to assist with long-term vegetation management under the electric lines. Trees may also be removed if the proposed pruning works will cause major disfigurement, instability, decline or death of the tree. Removal will only take place after inspection and recommendation by a qualified arborist.

Unsuitable species are identified and replaced in line with the Nillumbik Tree Management Guidelines 2018, Section 4. Section 6.6 of the Guidelines lists recommended street and reserve tree species if unsuitable species are required to be removed and replaced. A long-term strategy encourages appropriate planting under and surrounding electric lines so that the vegetation does not encroach into the clearance space. In many cases, residents are able to plant on roadside reservations and plantations, but must contact Council prior to undertaking works to ensure that it is appropriate and will not cause any future problems.

Council will regularly review its pruning cycles based on vegetation significance categories and tree data gathered from the inspection, works and audit records.

- **Auditing works**

An audit of the works is undertaken by Council once programmed works are complete to ensure that they comply with AS 4373-2007 Pruning of Amenity Trees and the Code. The audit inspections are recorded on a checklist (Appendix 4), which is filed and available for inspection upon request at the Nillumbik Operations Centre, 290 Yan Yean Road Plenty, between 8am and 4pm week days (not including public holidays). It is requested that 48 hours' notice be given.

The purpose of the works audit is to record the performance of the contractor in relation to the objectives of the annual electric line clearance program. This includes recording instances where:

- the minimum clearance space plus allowance for sag and sway as well as additional clearance for regrowth has not been achieved
- vegetation clearance works have not been undertaken according to the appropriate standards

Non-conformances recorded during the audit process are referred to the contractor in writing with a timeframe for completion.

Refer to section (o) below for the process to determine cause of and follow up non-compliances arising from audit processes. General conditions of Contract *1819-055 Tree Pruning and other Associated Services* clause S12 provides a dispute resolution process.

- **Maintaining records**

Inspections, works and audits are recorded in spreadsheet and maintained in Council's document management system. The record has a master list of streets (see Table in (f) above) and the outcome of the inspection is recorded by reference to the property numbers, works are recorded by date and the audit is recorded with reference to completed work or further work required.

- **Liaison with the distribution business**

Council and AusNet Services will meet as required during the year. Ongoing agenda items include:

- Nillumbik Shire Council electric line clearance program for the year, including high voltage and suppression, live line and/or shutdown works
- Nillumbik Box Clearance and Hazard Tree Program including dates, timing and consultation

- Declared boundaries
- Any updates to HBRA within Council’s declared area
- Spans greater than 45 metres and any changes to the total number of spans
- AusNet Services Electric Line Clearance Program for the year
- Hazard tree assessments, including timing and aligning programs
- General business
- Performance including any issues, non-conformance, clarifying processes, notification of works to each other
- Performance of contractors
- Provision of updated contact details

Regular communication regarding these issues will be facilitated through email, site meetings or telephone as required.

**(ii) 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**

Spans within the Nillumbik Declared Area where vegetation clearance is required are usually less than 45 metres. The additional cutting distance outlined in (j)(i) above has been determined using graphs 2, 3 and 4 provided in Schedule 2 of the Regulations and advice from AusNet Services.

Contractors are responsible for pruning to achieve the clearance space outlined in (j)(i) above. Where the contractor is uncertain about the span distance, they contact Council who will consult with AusNet Services in determining the span distance and minimum clearance.

The AusNet Services contact is Spencer Few, ORP Liaison Officer, email [Spencer.Few@ausnetservices.com.au](mailto:Spencer.Few@ausnetservices.com.au).

There is no requirement to interact with railway supply companies as there is no vegetation pruning requirement at the five locations in the Nillumbik declared area where electric lines cross railway lines. For completeness, these locations are:

| Street         | Suburb | Melway Ref |
|----------------|--------|------------|
| Diamond Street | Eltham | 21 K4      |

|                       |               |        |
|-----------------------|---------------|--------|
| Railway Road          | Eltham        | 21 K2  |
| Wattletree Road       | Eltham        | 22 A2  |
| Allendale Road        | Diamond Creek | 12 A10 |
| Main Hurstbridge Road | Diamond Creek | 12 A6  |

Council provides the additional distance information to the contractor who then performs the works. Council records these sag and sway calculations in Council's document management system where they will be maintained for at least five years.

The Parks and Open Space Coordinator is responsible for implementing the above processes. The Operations Centre Manager is responsible for verifying that processes are implemented. A random audit of the works will be undertaken by the Council once programmed works are complete to ensure that the required works are occurring as a result of the above process.

The process will be reviewed annually.

**(k) the procedures to be adopted if it is not practicable to comply with the requirements of AS 4373-2007 Pruning of Amenity Trees while cutting a tree in accordance with the Code:**

Council contractors carry out works in accordance with Contract **1819-055 Tree Pruning and other Associated Services**, clause 4.1.1 'Standard of pruning works' and 11.3 'Guidelines: pruning for electric line clearance' using equipment such as electrically tested EWPs and tree climbing with rope and harness, undertaken by arborist which have completed Cert II ESI training modules.

The definition of 'reasonably practicable' in reference to AS 4373-2007 Pruning of Amenity Trees is: 'A suitable qualified Arborist's opinion in relation to the pruning of a tree in respect to meeting both the code and the AS 4373-2007 Pruning of Amenity Trees'.

As per the Contract, when pruning works to meet the code will not comply with AS 4373-2007 Pruning of Amenity Trees the contractor will contact Council and inform them. An appropriate decision will then be made in conjunction with the Team Leader Arboriculture or Parks and Open Space Coordinator regarding retention or complete removal of the tree to comply with electrical line clearance requirements.

Once a decision on the required works has been made the Team Leader Arboriculture in conjunction with the Contractor will agree on appropriate plant and equipment required to complete the works.

Random site audits will be completed at the end of the program to ensure compliance to the code and AS 4373-2007 Pruning of Amenity Trees (refer to Appendix 4). Council will make the contractor aware of the results of the audit in writing.

If unacceptable works are identified, Council's Team Leader Arboriculture or Parks and Open Space Coordinator will notify and meet with the contractor to discuss ways of resolving the dispute or difference, as per section 13 of the Contract.

The approved contractor will submit the required training and qualification information, as per subregulation (p), prior to the financial year to which the plan applies and the plan will be updated during the review process. This includes verification that the current version of AS 4373-2007 Pruning of Amenity Trees is being applied. Meetings between the approved contractor and Council will be minuted and filed in Council's records management system.

**(l) a 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;**

Council does not intend to use or apply for any alternative compliance mechanisms. Pruning and removal is the only method used for electric line clearance work within the declared area. If the need arises to use other methods, Council will determine a suitable alternative compliance mechanism and seek approval from Energy Safe Victoria in accordance with clause 31 of the Code. This will be reviewed annually in line with the review of this Plan.

**(m) the details of each approval for an alternative compliance mechanism that:**

**(i) the responsible person holds**

N/A

**(ii) is in effect**

N/A

**(n) A description of the measures that must be used to assess the performance of the responsible person under the management plan**

Achievement of pruning cycles, vegetation conservation, enhancement, and avoidance of public and property loss resulting from fire shall be measured by the following performance measures, as well as successful completion of actions outlined in section (j) and (o) of this Plan. The Parks and Open Space Coordinator is responsible for monitoring the performance measures and successful completion of actions outlined in section (j) and (o), which will then be assessed by the Operations Centre Manager. Council will be considered to be performing if:

- Works are planned utilising annual inspection data, previous years data on workload (locations, hours) provided by contractors as well as pruning requests and non-conformances from residents and the distribution business. Supply outage information is not supplied to Council by the distribution business. The purpose of planning is to ensure that Council budgets appropriately to undertake works
- Work programs after annual audit are completed by declaration of fire season. The Contract requires completion of works within the specified timeframe and there are weekly updates between the contractor and Nillumbik Shire Council
- Electric line clearances are in accordance with the Code
- Requests for clearance/non-compliance from the distribution business are minimised and, by agreement, incorporated into the annual clearance works or if urgent completed within the agreed timeframe. These are recorded and monitored in Council's document management system
- Complaints are no more than 5 per year. These are recorded in Council's correspondence management system
- Details of works completed in each electric line clearance area are recorded
- No deviations have occurred from the cycles outlined in the plan
- No fires have been identified as having started as a result of foliage touching wires
- No vegetation damage has resulted from inadequate or substandard pruning practices. Random inspections of works will be undertaken to ensure they are adequate and up to standard



- No trees have been removed without expert advice being received
- Preparation of an Electric Line Clearance Plan prior to 31 March of each year
- Processes are reviewed in line with the review and preparation of the next year's Plan.

If inadequate processes are observed, the matter is reported and referred to the Parks and Open Space Coordinator or Manager Operations Centre.

All processes and each stage of work are recorded and monitored in line with the Nillumbik Tree Management Policy and Guidelines 2018, including:

- Annual street assessment and pruning requirements shall be recorded. The assessment shall be dated, outline the extent of works required and identify specific trees which require other further assessment
- Reports may be prepared on streets which require consideration of alternative electricity delivery infrastructure and shall be forwarded to the Operations Centre Lead
- Actions and decisions resulting from further assessment are to be recorded
- Work programs including dates, times and extent of work are to be recorded (as per section 6 Reporting of the Contract)
- Correspondence sent and received from Energy Safe Victoria shall be placed on file
- Correspondence related to clearance and vegetation management shall be placed on file
- All complaints or requests from distribution businesses, residents, staff, CFA etc are recorded, acted upon and responded to accordingly.

The Electric Line Clearance Management Plan, Codes and regulations are available for inspection upon request at Nillumbik's Operations Centre, 290 Yan Yean Rd Plenty from 8am–4pm on week days. It is requested that 48 hours' notice be given to arrange a suitable time for both parties.

**(o) Details of the audit processes that must be used to determine the responsible person’s compliance with the Code**

**Annual schedule for audit activities**

| <b>Month</b> | <b>Activity</b>  | <b>KPI</b>   | <b>Responsible person</b>                                    |
|--------------|--|--|--|
| May          | Contact contractor to ensure qualifications are up to date prior to the beginning to the electrical line clearing program.   | Copy of Contractor qualifications received, reviewed and uploaded to Council’s record management system. | Parks and Open Space Coordinator / Arboriculture Team Leader |
| May          | Organise suitably-qualified person with both nationally accredited “Assess Trees” module and nationally accredited “Identify Trees” module to conduct annual tree inspections within the declared area zones that are scheduled for that year within the two-year pruning cycle. | Suitably qualified person nominated  | Parks and Open Space Coordinator                             |
| June– July   | Inspections as described above are conducted.  | Inspection records from contractor received, reviewed and uploaded to Councils record management system. | Steven’s Specialist Tree Services                            |
| July         | Electric line clearance pruning works program for the year   | Pruning works program prepared and uploaded by   | Parks and Open Space Coordinator /                           |

|                   |   |   |  |
|-------------------|---|---|--|
|                   | prepared following the inspections.   | Arboriculture Team Leader for Parks and Open Space Coordinator's review and approval.   | Arboriculture Team Leader                                    |
| August-September  | Electric line clearance pruning works program conducted.  | Contractor monthly claims linked to works progress verified prior to approval.  | Steven's Specialist Tree Services                            |
| August-September  | Random inspections of contractor's on-site work practices during each zone, including work site management, staff qualifications, occupational health and safety, pruning standards and compliance with the Code (as per section 8 OH&S and 2.14 Audit and Inspection of the General Conditions of the Contract). Results to be scanned, reviewed and added to Council's records management system and communicated to the contractor in writing. | Results of random inspections scanned, reviewed and uploaded to Council's record management system with any findings communicated to the Contractor in writing. | Parks and Open Space Coordinator / Arboriculture Team Leader |
| September-October | A random audit of the works to assess quality of pruning and review of the program once programmed works are completed. Refer to Appendix 4 for an example of the electric line audit recording   | Random audit of 10% of completed works undertaken and uploaded to Council's record management   | Arboriculture Team Leader                                    |

|          |  |   |   |
|----------|--|---|---|
|          | sheet. Results to be scanned, reviewed and added to Council's records management system and communicated to the contractor in writing.   | system by the end of year. Audit frequency will be determined by Contractor completion dates. |   |
| December | Review the pruning program's timeframes, costs and quality   | Review completed and recorded in Council's records management system.                         | Parks and Open Space Coordinator                              |
| Ongoing  | Issue non-conformance reports to Council regarding trees within the clearance space.   |   | AusNet Services   |
| Ongoing  | Action non-conformance accordingly to ensure current best practice is adhered to and issue email confirmation of agreed outcomes and required actions. Results to be scanned, reviewed and added to Council's records management system. |   | Arboriculture Team Leader / Steven's Specialist Tree Services |
| Ongoing  | The contractor will keep all records in accordance with the General Condition of the Contract.   |   | Steven's Specialist Tree Services                             |

**(p) 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 and the Electricity Safety (General) Regulations 2019:**

All staff and contractors carrying out Arboricultural work on behalf of Council are required to be suitably qualified as per Nillumbik Tree Management Policy and Guidelines 2018 and the Contract.

In addition, all Council staff and contractors involved in inspection, cutting or removal of trees in accordance with the Regulations must be a 'qualified person' as defined by the Electricity Safety (General) Regulations 2019 r.616.

Suitably qualified arborists working on vegetation clearance near electric lines are required to have the appropriate skills, qualifications and certifications, including a current certificate specifying satisfactory completion of a training course in tree clearing, approved by Energy Safe Victoria.

This includes:

UET20321 Certificate II in ESI – Powerline Vegetation Control (EWP Stream) (formally UET20319) with annual refresher training.

Suitably qualified arborists responsible for inspecting trees are required to have:

- Minimum Certificate National Certificate III in Arboriculture including the "Perform a ground-based tree defect evaluation" unit of competency, or an equivalent qualification
- Relevant industry experience
- Appropriate electrical asset identification skills
- Working Safely in the Construction Industry
- Working safely near live electrical apparatus; non-electrical worker
- Safe work practices
- First aid
- Traffic management
- Application of pruning techniques and standards
- Manual handling
- Environmental awareness
- Vegetation assessment.

Electric line clearance pruning is carried out on behalf of Council by contractors engaged under Nillumbik Contract No **1819-055 Tree Pruning and other Associated Services**. Refer to *Section 12 Relevant Standards, guidelines and legislation* of the contract specifications.

The contractor is responsible for scheduling training for their staff. Evidence is provided to Council on request.

The Parks and Open Space Coordinator is responsible for ensuring that all staff members on site have the required induction, qualifications and experience. The contractor is responsible for ensuring that their staff have the required induction, qualifications and experience as part of the contract. As part of the contractor's induction, they are required to peruse and sign the OH&S Induction Book. Procedures and responsibilities for ensuring refresher training, sufficient training, induction, staff/contractor performance review and competency measures are included in the audit activities detailed in section (o).

Evidence that contractor personnel have had the required training must be carried by the staff at all times and must be shown to the Council officer on request, in accordance with the Contract clause 4.3 Electric Line Clearance. If on-site audits identify personnel without the required accreditation or training, Council's Team Leader Arboriculture or Parks and Open Space Coordinator will notify the site supervisor to immediately rectify the situation, including removal of the personnel from the site if required. This will be followed up in accordance with Clause 6.1 of the Contract 'Default by the Contractor - Show Cause Notice'.

Records of training are filed and available for inspection upon request at the Nillumbik Operations Centre, 290 Yan Yean Rd Plenty from 8am to 4.30pm on week days (not including public holidays). It is requested that 48 hours' notice be given.

The contractor is responsible for keeping electronic qualification records and making them available to Council on request.

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

Council's Parks and Open Space Coordinator will advise residents of intentions for electric line vegetation clearance works at least 14 days and not more than 60 days prior to work crews commencing works. The Parks and Open Space Coordinator and member of the Communications team responsible for advertising are required to place a notification on Council's website ([www.nillumbik.vic.gov.au](http://www.nillumbik.vic.gov.au)). The notification will include a description and/or map of the affected area, description of tree works being undertaken and proposed commencement and completion dates of works. An example of the public notice on the website is as follows:

### In this section

Contact us

Advocacy priorities

Careers

Councillors and elections

Facilities and property

Local laws

Meetings and committees

## Tree pruning works around overhead powerlines

### Public Notice

Nillumbik Shire Council contractors will be undertaking pruning works and possible tree removal around overhead powerlines.

The works will be undertaken in the streets of Eltham, Eltham North, Research, Greensborough and parts of Diamond Creek and Wattle Glen between July 2023 and February 2024.

The works are part of regular maintenance to ensure compliance with the Electricity Safety (Electric Line Clearance) Regulations 2020.

Council is responsible for maintaining a minimum clearance space around the powerlines to avoid the chance of trees contacting powerlines, which could lead to power outages and, in some cases, fires.

Please contact our customer service team on 9433 3111 if you have any concerns.

Depending on the works and likely disruption to residents, at least 14 days and not more than 60 days prior to works commencing, the Parks and Open Space Coordinator may advise via direct mail the individual residents who may be affected in the area of any works to a significant tree.

Council's schedule of works in section (j)(i) will be used to ensure notification is posted on Council's website.

If clearing is not going to occur in the 14–60 day notification window, we will update the information on Council's website.

### **(r) Dispute resolution procedures**

#### **Between Council and residents/customers**

Any dispute relating to electric line clearance will be dealt with in line with Council's Customer First Strategy 2023-2026 and Complaint Handling Policy 2021, available on Council's website: <https://www.nillumbik.vic.gov.au/Contact-us/Complaints>. It is also available for inspection between 8am and 4pm Monday to Friday at the Nillumbik Civic Centre, Civic Drive, Greensborough.

In the first instance, disputes will be referred to the Team Leader Arboriculture for resolution, with escalation as follows if required:

- Parks and Open Space Coordinator

- Manager Operations Centre
- Chief Operating Officer
- CEO

### **Between Council and the contractor**

In the event of any dispute or difference arising between Council and the Contractor, Council's Team Leader Arboriculture or Parks and Open Space Coordinator will notify and meet with the contractor to discuss ways of resolving the dispute or difference, as per Clause S12 'Dispute Resolution' of the Contract. If a resolution cannot be met, it will be escalated within Council and / or referred to mediation.

### **Between Council and the distribution business**

In the event of any dispute or difference arising between Council and AusNet Services, Council's Team Leader Arboriculture or Parks and Open Space Coordinator will notify and meet with the relevant representative or AusNet Services to discuss ways of resolving the dispute or difference. If a resolution cannot be met, it will be escalated within Council and / or referred to mediation.

**(s) if Energy Safe Victoria has granted an exemption under regulation 11 relating to a requirement of the Code, details of the exemption or a copy of the exemption.**

If an exemption has been granted by Energy Safe Victoria, documentation of Council's request and the exemption will be stored on Council's electronic management system.

## **Regulation 10, subregulation 7**

The current version of the Electric Line Clearance Management Plan (the Plan) is available for viewing on Council's website and Civic Centre, in accordance with Regulation 10 (Obligations relating to management plan), subregulation 6 of the Electricity Safety (Electric Line Clearance) Regulations 2020.

The Plan is available on Council's website under the 'Trees section:

<https://www.nillumbik.vic.gov.au/Explore/Environment/Natural-environment/Plants-and-trees/Trees>



This website will be updated to replace the superseded Plan with the current Plan by the Environment web author at the request of the Manager Operations Centre within two days of the CEO's authorisation of the Plan. The ELCMP will be published on the Council website prior to 1 July each year.

A hard copy of the Plan is available to view at Nillumbik Shire Council's Civic Centre, Civic Drive Greensborough, between 9am–5pm Monday to Friday (not including public holidays). It is requested that 48 hours' notice be given.

## **Schedule 1 Part 2 Division 1**

### **Regulation 4 – Exception to minimum clearance space for structural branches around insulated low voltage electric lines**

Council does not intend to apply an exception.

### **Regulation 5 – Exception to minimum clearance space for small branches around insulated low voltage electric lines**

Council does not intend to apply an exception.

### **Regulation 6 – Exception to minimum clearance space for small branches around uninsulated low voltage electric lines in low bushfire risk areas**

Council does not intend to apply an exception.

### **Regulation 7 – Exception to minimum clearance space for structural branches around uninsulated low voltage electric lines in low bushfire risk areas**

Council does not intend to apply an exception.

### **Regulation 8 – Responsible person may cut or remove hazard trees**

The hazard tree inspection and pruning/removal process is clearly outlined in the Nillumbik Tree Management Guidelines 2018. The Guidelines define a hazard tree as follows:

- For Nillumbik Shire Council, a tree or part of a tree is deemed to be hazardous following an assessment by a suitably qualified arborist. The assessment will

consider whether the tree has structural defects and/or poor health that may pose a risk of personal injury or property damage that exceeds an acceptable level. In determining the level of risk, the assessment will consider the likelihood of the tree or part of the tree failing within 12 months given normal weather conditions and the likelihood of a target being present in the area of potential impact.

For the purposes of this Plan the target would be an electric line.

If a member of the public, Council staff, CFA or distribution business identifies and reports a hazard tree, a qualified arborist will conduct an assessment of the tree, and if that assessment confirms the likelihood of contact with an electric line having regard to foreseeable local conditions, the tree may be cut or removed by the responsible person. Council staff record the report in Council's customer service management system (Pathway), including details such as: location of tree; name and contact details of reporter; why the tree is a hazard, and if it's deemed urgent.

If Council is not responsible, details of the report are forwarded to AusNet Services or other responsible parties as soon as practicable. If it is Council's responsibility, works on a hazard tree will be actioned depending on the urgency or risk priority identified during the assessment.

Records of emergency or urgent works will be kept for five years and include details of where and when the works were undertaken, why the works were required and the last inspection of the section of line where the cutting or removal was required.

Council's internal process is as per Section 2.1 of the Tree Management Policy and Guidelines 2018 – See Appendix 5 for the reactive request management process.

Council will keep a record of trees removed under the emergency work provisions to ensure replanting occurs where appropriate.

Section 1.5 of the Nillumbik Tree Management Guidelines 2018 outlines Council's documentation system for tree-related service requests and processes.

## Schedule 1 Part 2 Division 2

- **Regulation 10 – Cutting or removal of: native trees; trees listed in a planning scheme to be of ecological, historical or aesthetic significance; trees of cultural or environmental significance must be minimised**
- **Regulation 11 – Cutting or removing habitat for threatened fauna**

The following provides a response to both Regulation 10 and Regulation 11, read in conjunction with section (g) of this plan.

Tree pruning is undertaken to comply with minimum clearance distances. The trees identified in section (g) have been assessed to determine pruning cycles to minimise cutting. These trees are pruned annually to minimise impact. If removal is recommended, a suitably-qualified arborist will inspect, as per section (j)(i) of the Plan, to verify that removal is required.

If the need arises for alternative mechanisms, approval will be sought from Energy Safe Victoria in accordance with clause 31 of the Regulations.

Contractors may also contact Council if there are any site indicators that a tree may have significance if they haven't already been alerted to it by Council (list in section g above). Before any works are undertaken on old mature indigenous plants, trees are inspected. In the event a significant tree is identified, no pruning shall occur without further consultation with Council.

Trees are identified by a qualified arborist with knowledge of indigenous, native and exotic trees. Council staff also refer to maps detailed in section (h) and the relevant planning overlays and GIS to ensure that minimal impact is made in areas of cultural, historical, botanical, ecological or habitat significance for rare or endangered species.

If a habitat tree is identified within the vicinity of electric lines, it will be managed in line with the Nillumbik Tree Management Policy and Guidelines 2018, which may include engagement of a fauna specialist, conducting pruning activities outside of the breeding season wherever practical or by relocating the fauna.

## **Schedule 1 Part 2 Division 4 Regulation 20 – Duty relating to the safety of cutting or removal of trees close to an electric line**

Where Council has responsibility for cutting and removal of trees close to electric lines then the following process applies:

- During inspection of the zone to be cleared, a list of sites is collated where vegetation removal near electric lines (live line) is required.
- For advice regarding concerns about the safety of cutting or removing a tree near an electric line identified during the inspection, Council's arborist contacts the distribution business contact. The distribution business contact is Spencer Few, ORP Liaison Officer, email [Spencer.Few@ausnetservices.com.au](mailto:Spencer.Few@ausnetservices.com.au).
- A contractor with appropriately qualified staff is engaged for assessment, quotes and works which include suppression or shutdown as required.
- The contractor used by Nillumbik Council for this purpose is engaged under Nillumbik Contract No **1819-055** and is TreeServe Pty Ltd. The contact person is Dean Plant, Victoria Operations Manager, with contact details as follows, [dean.plant@treeserve.com.au](mailto:dean.plant@treeserve.com.au) or 0408 148 373 Alternatively Wayne Collier, ELC contract Manager on 0456 771 780, [wayne.collier@treeserve.com.au](mailto:wayne.collier@treeserve.com.au)
- TreeServe can liaise with the distribution business (AusNet Services) on Council's behalf for suppression or shutdown.

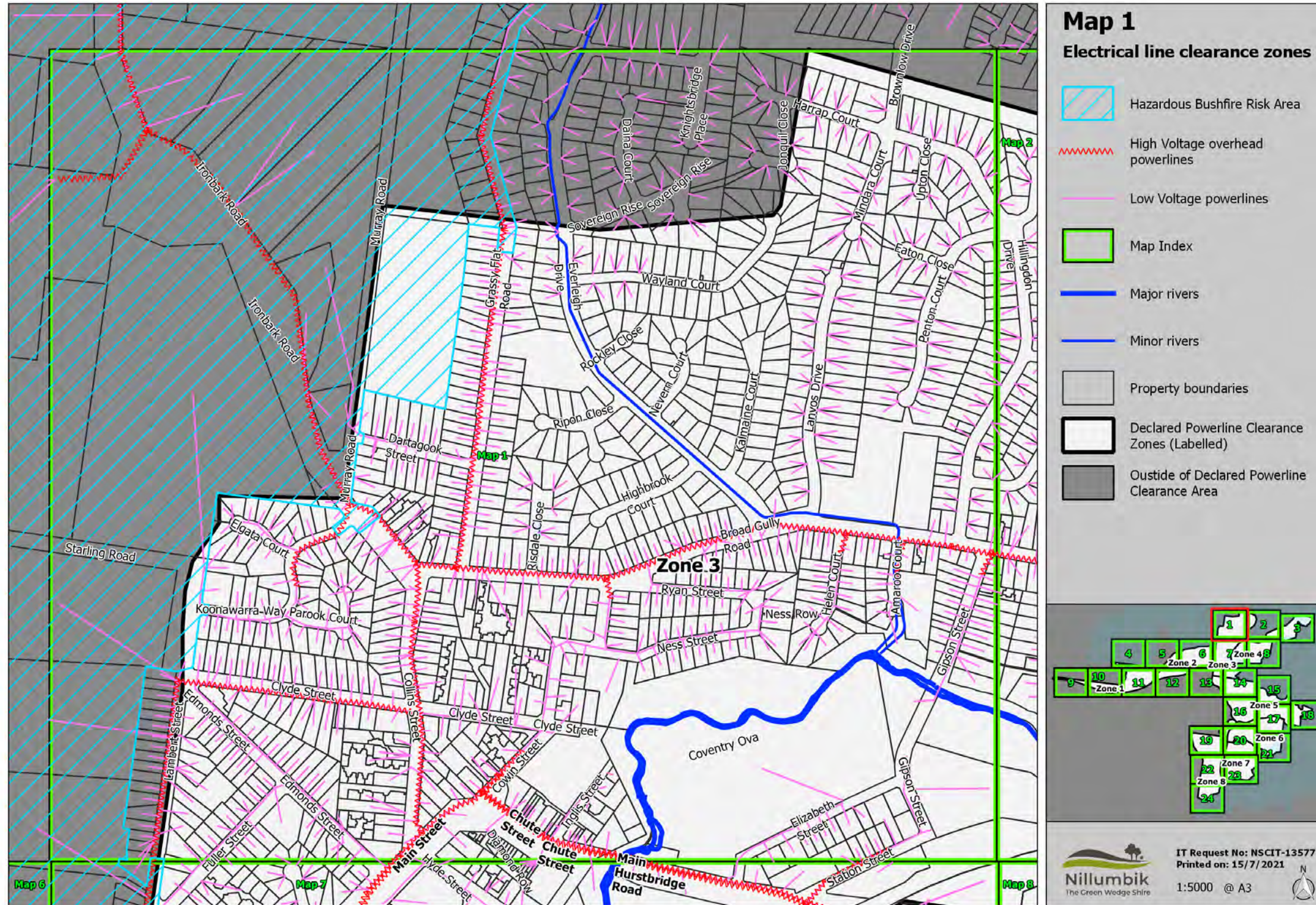
**Appendix 1 Detailed locality maps 1-24 for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA).**

**LBRA on Detailed locality map**

Within the declared areas shown on Detailed locality maps 1-24 (white shading), all areas which are not shown as HBRA (blue lines) are LBRA (Low Bushfire Risk Areas).

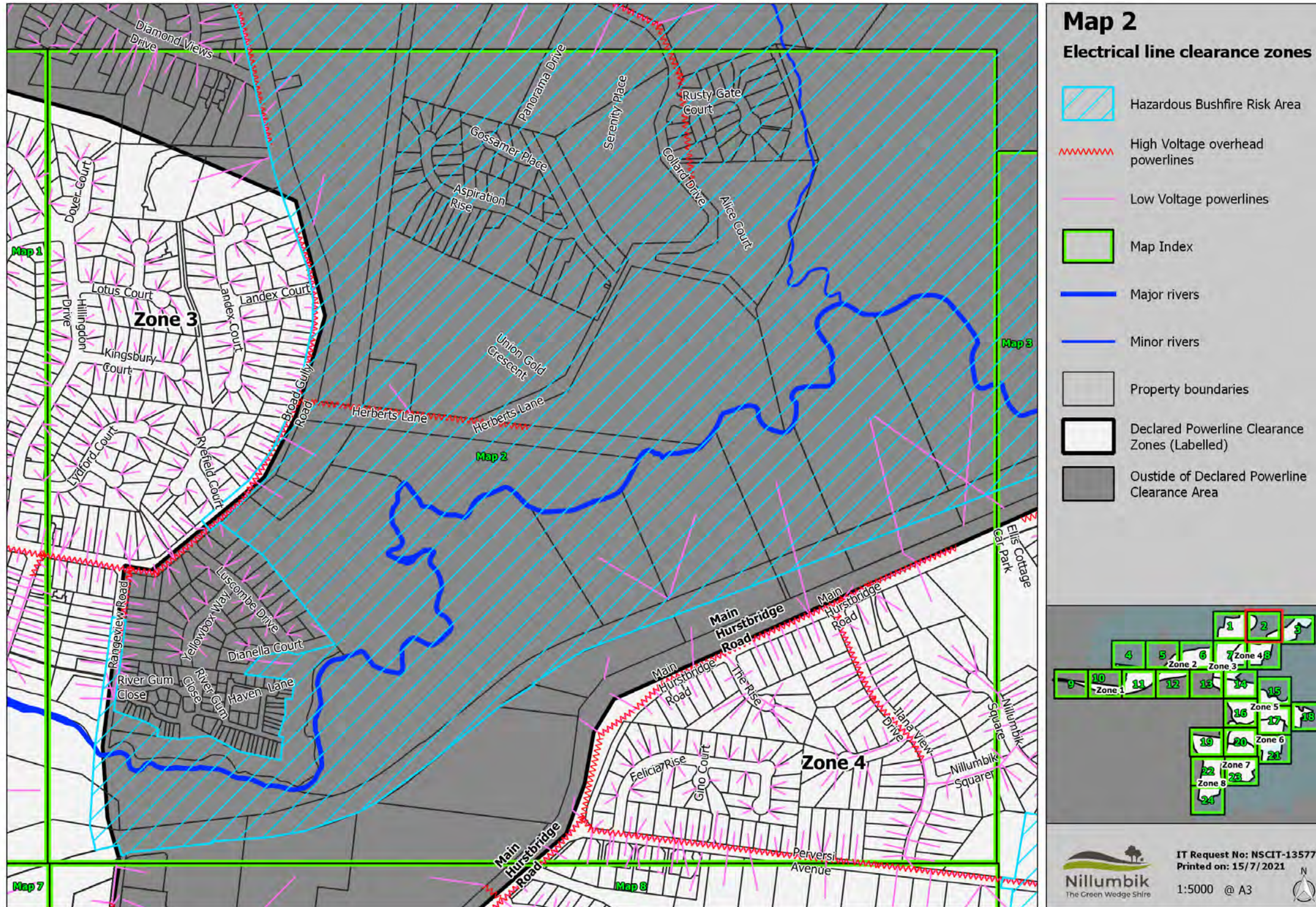
Map 1

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



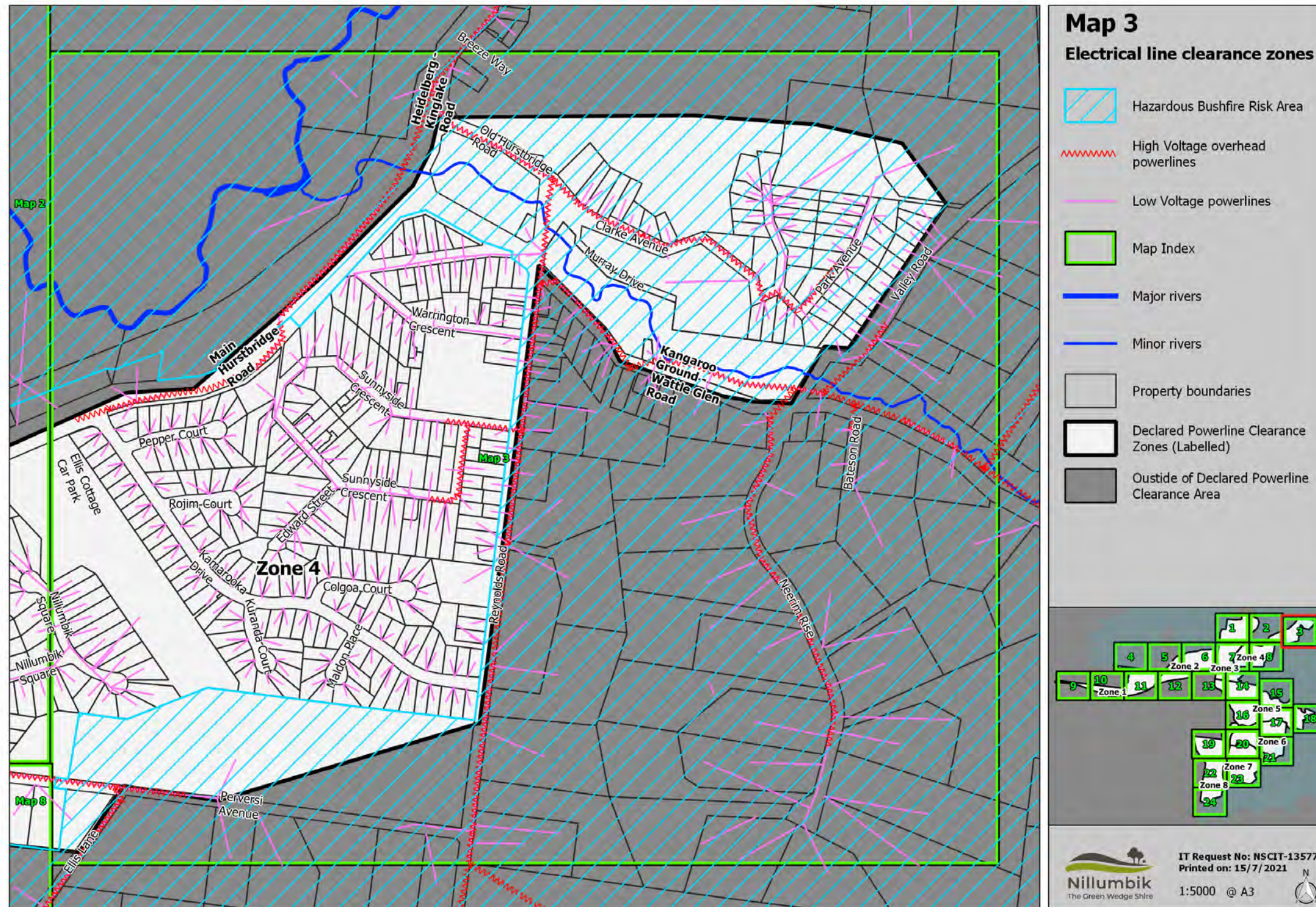
Map 2

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



Map 3

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area





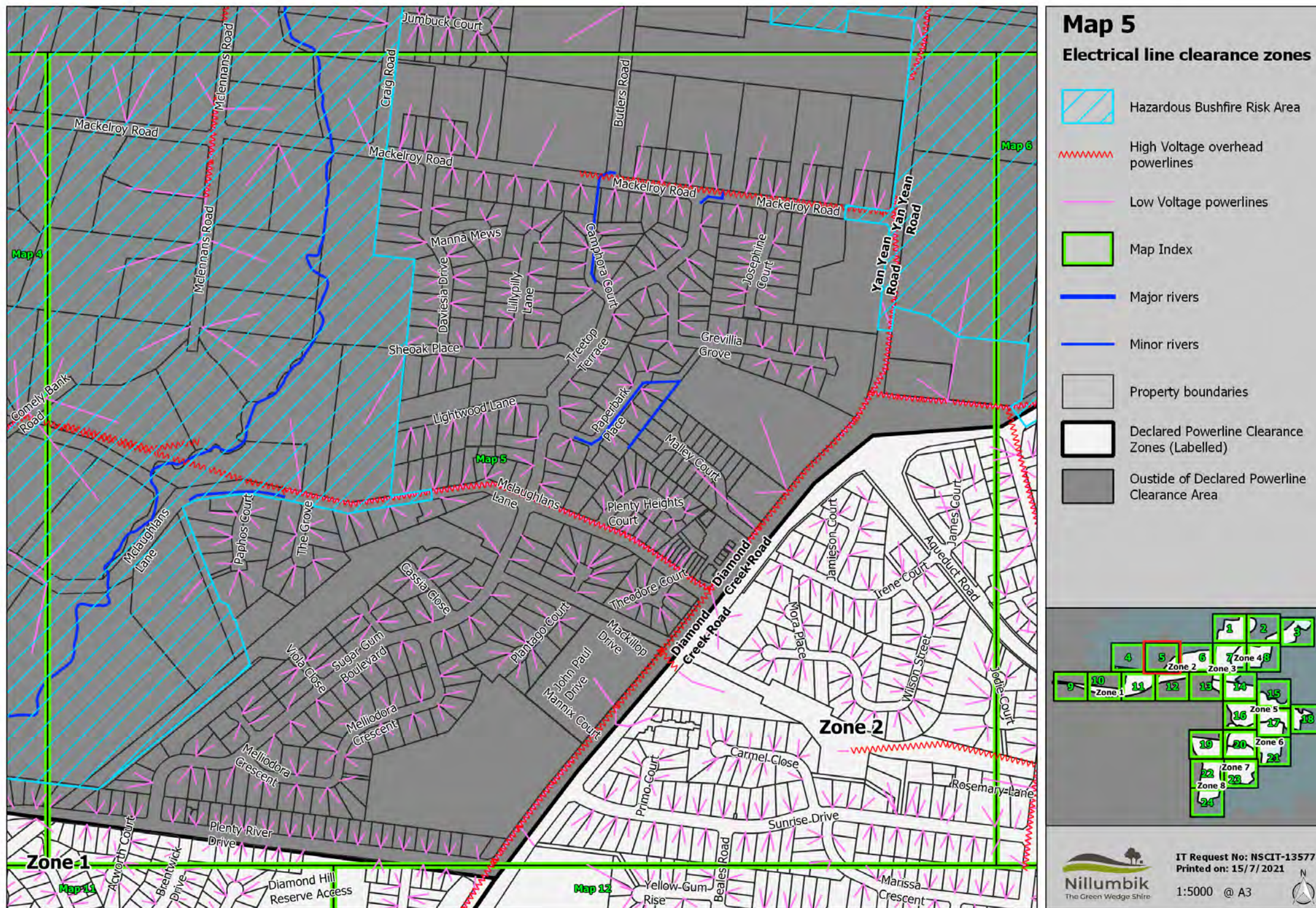
Map 4

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



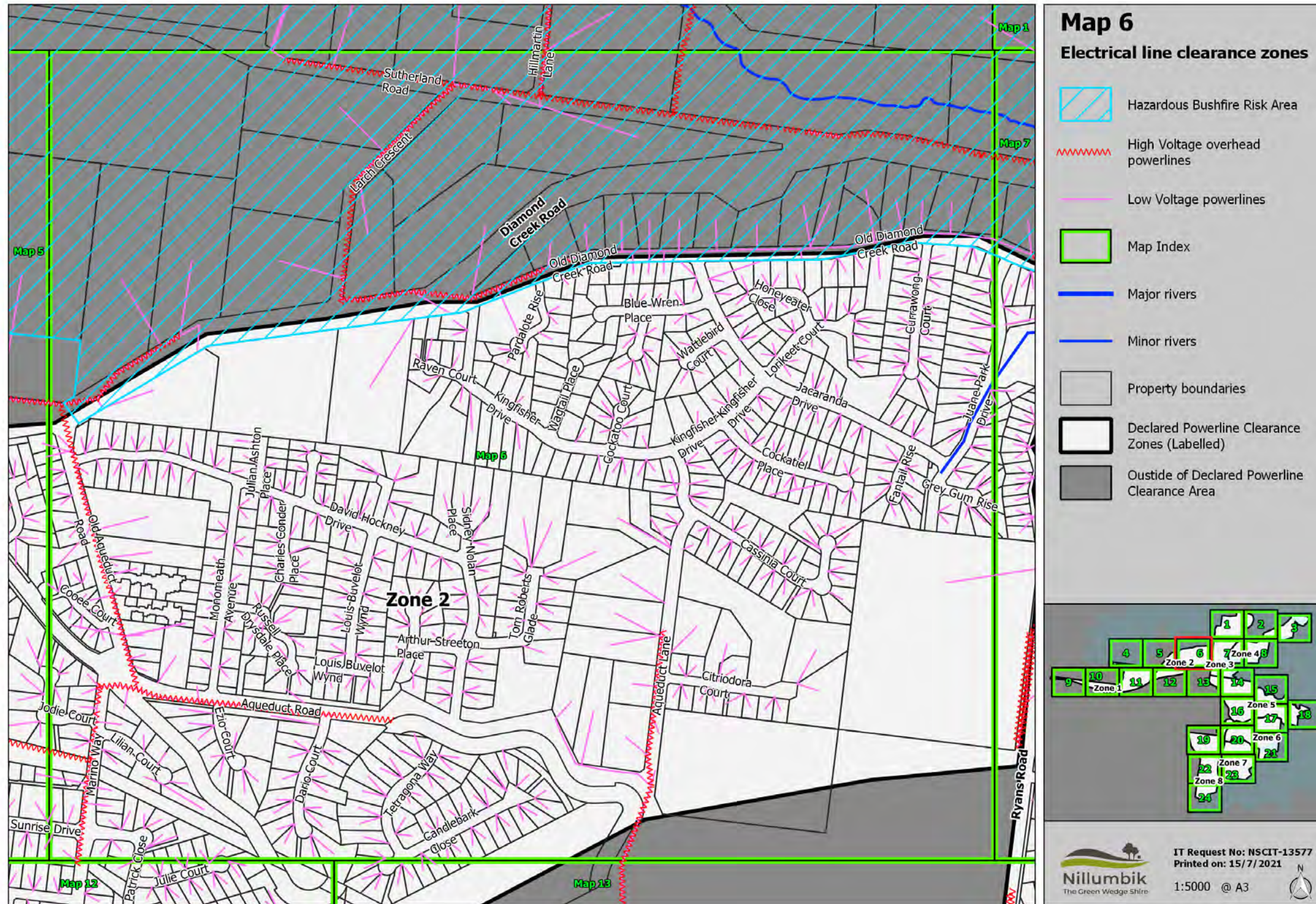
Map 5

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



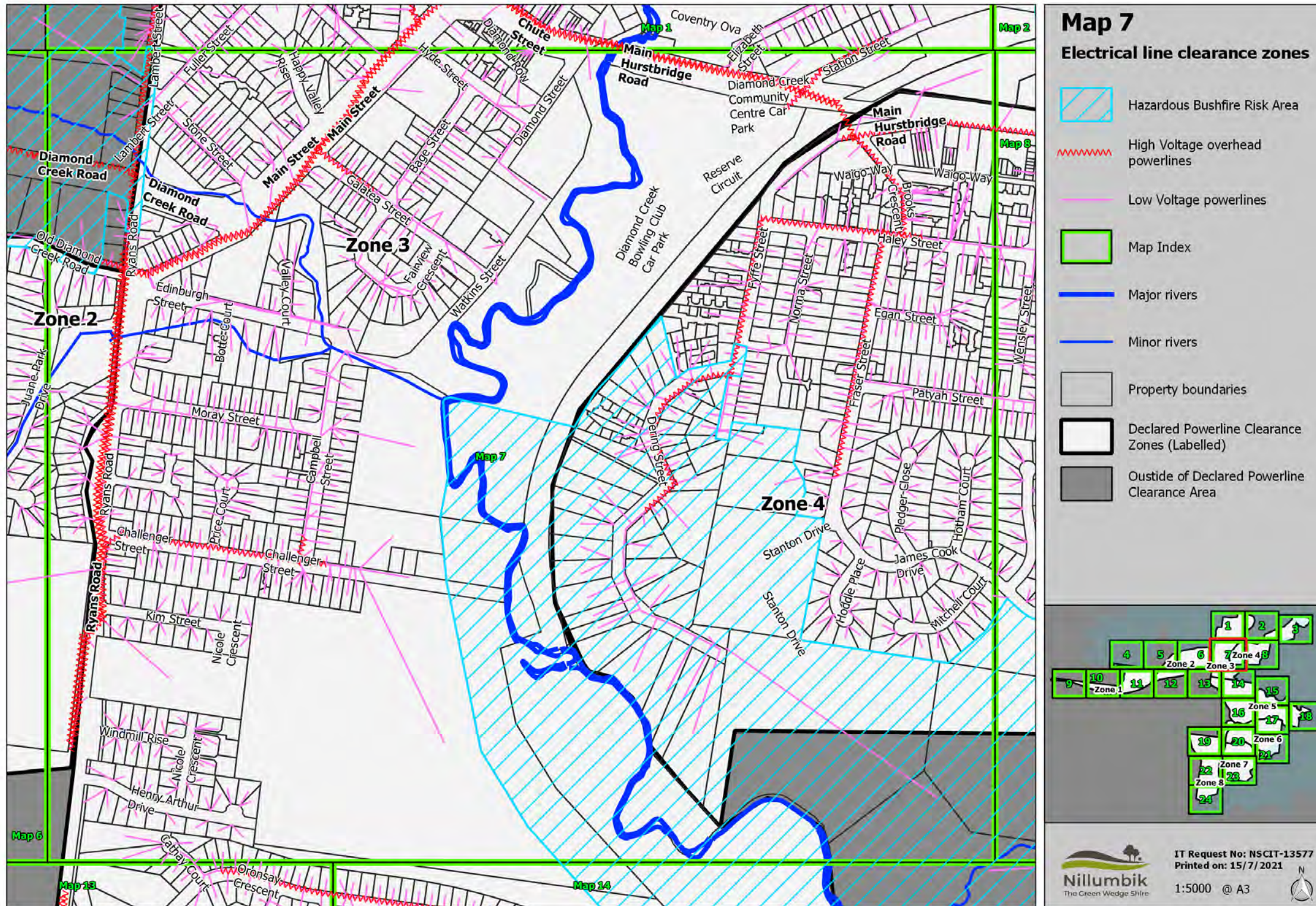
Map 6

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



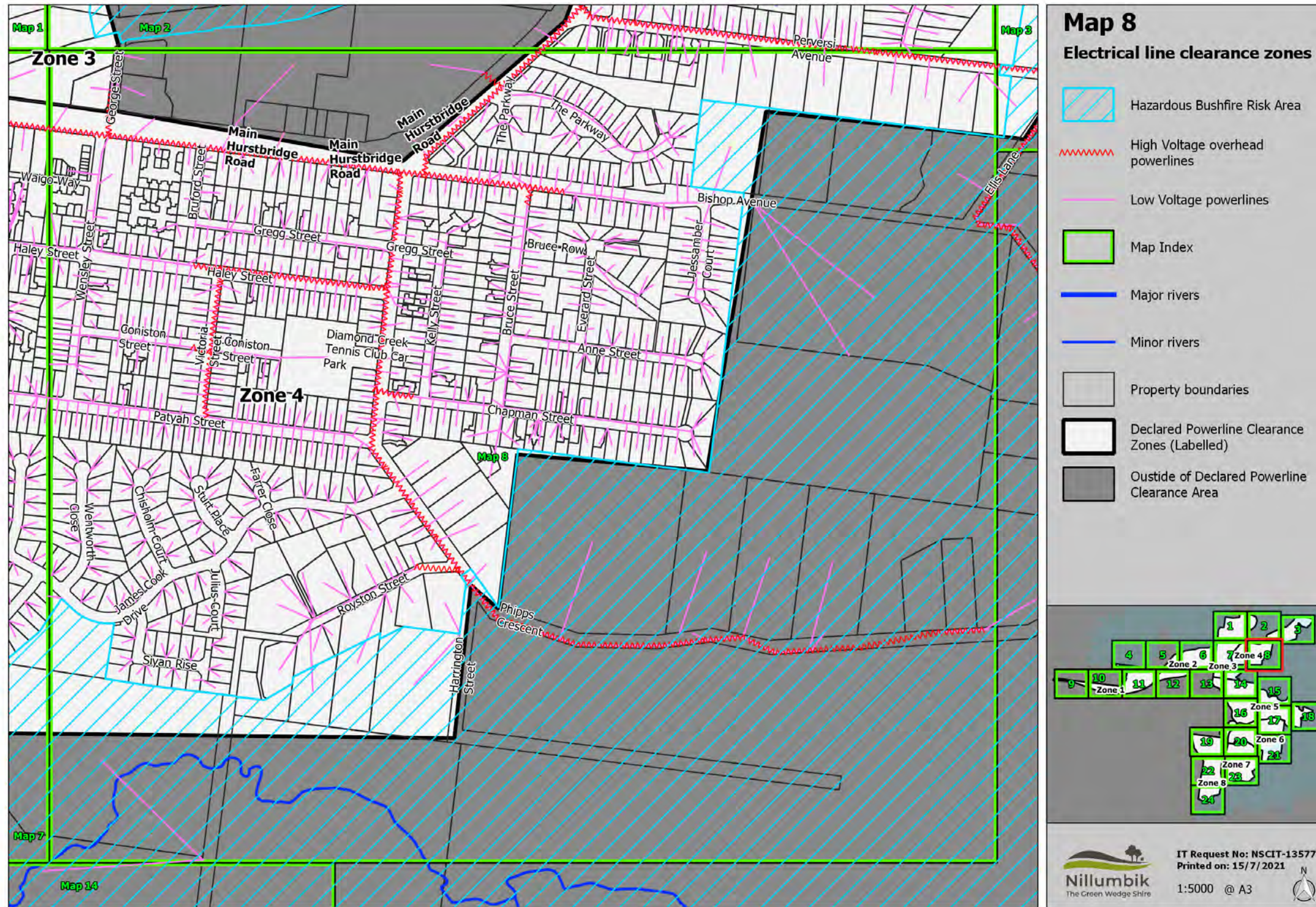
**Map 7**

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



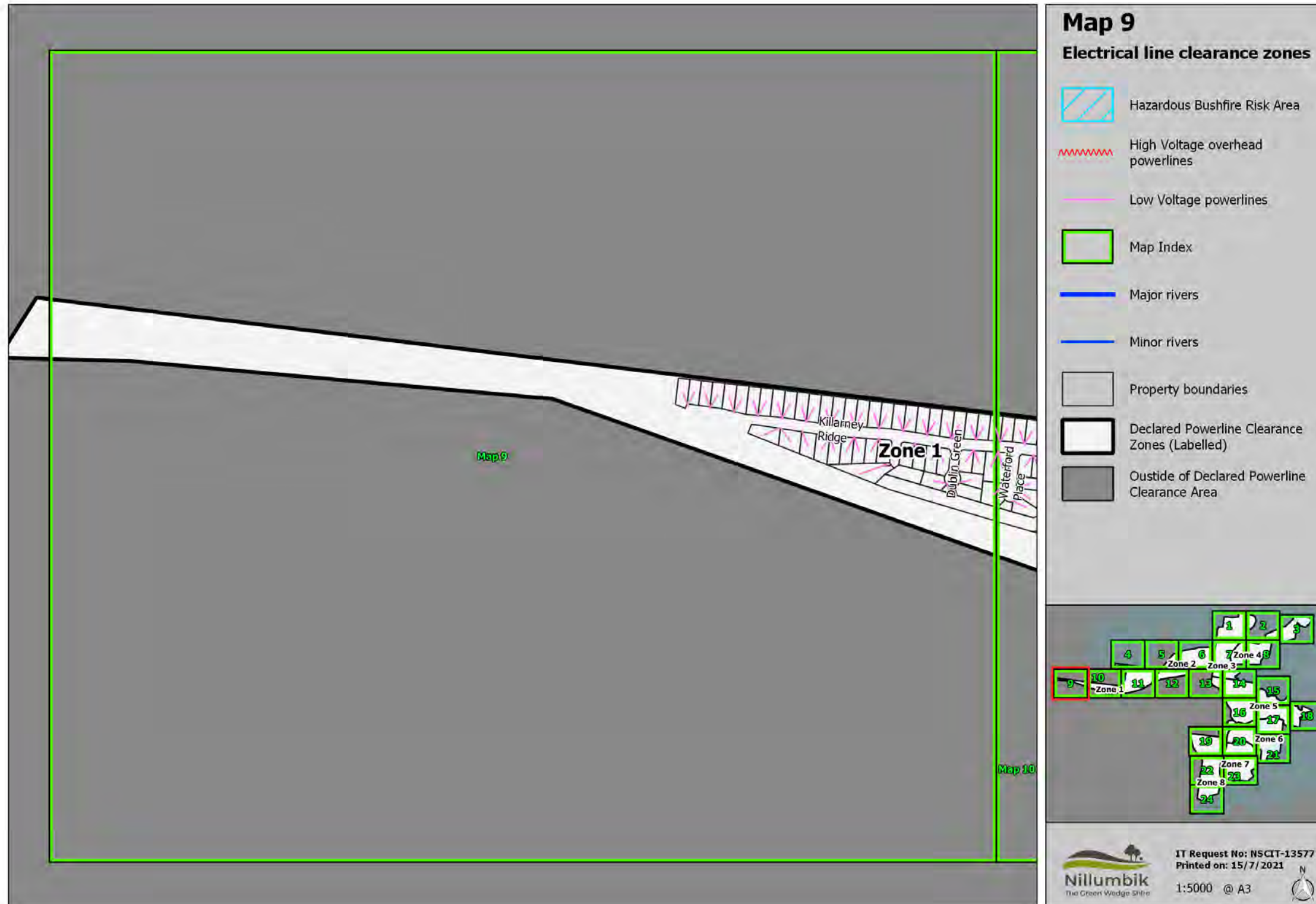
# Map 8

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



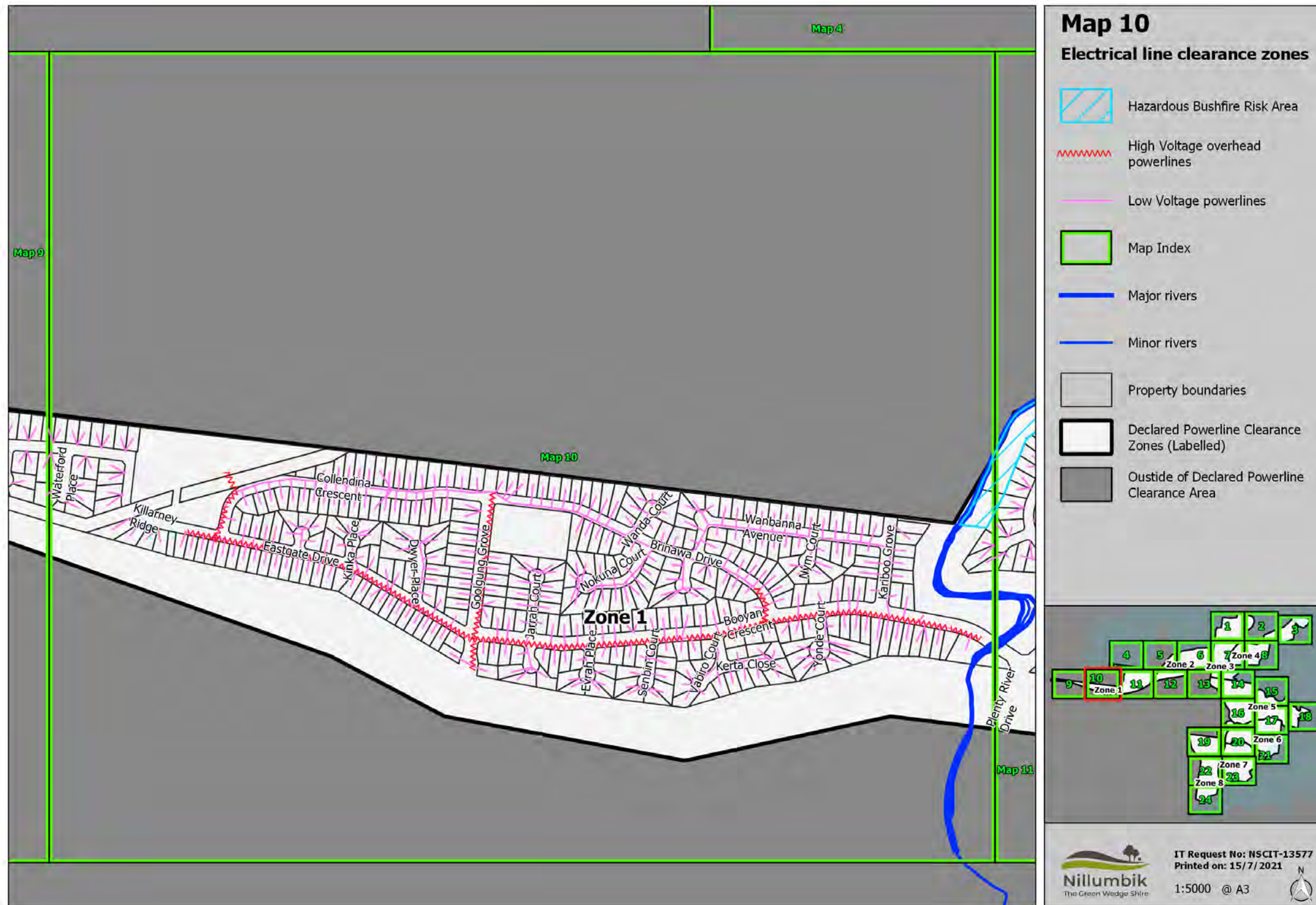
# Map 9

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



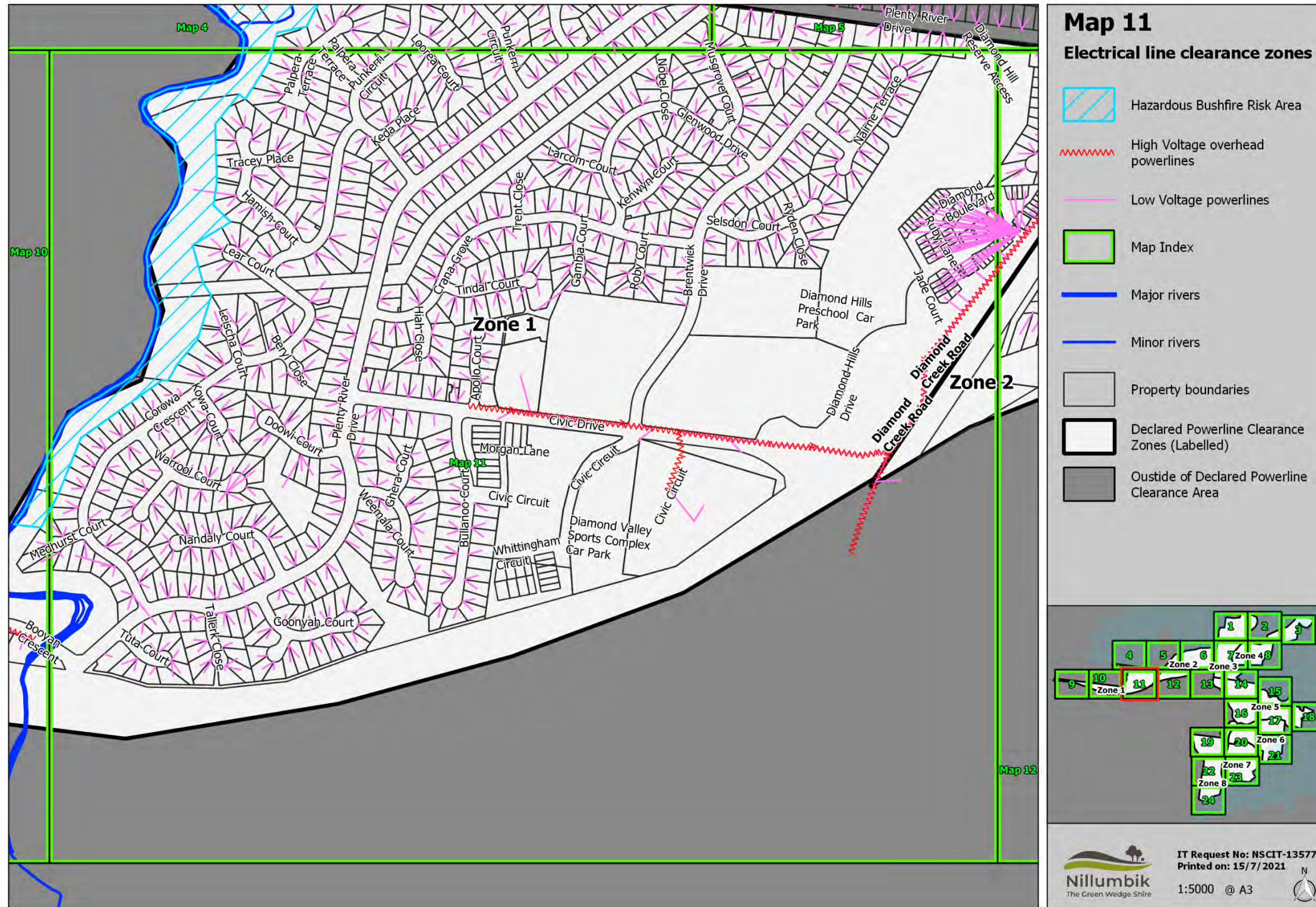
# Map10

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



Map 11

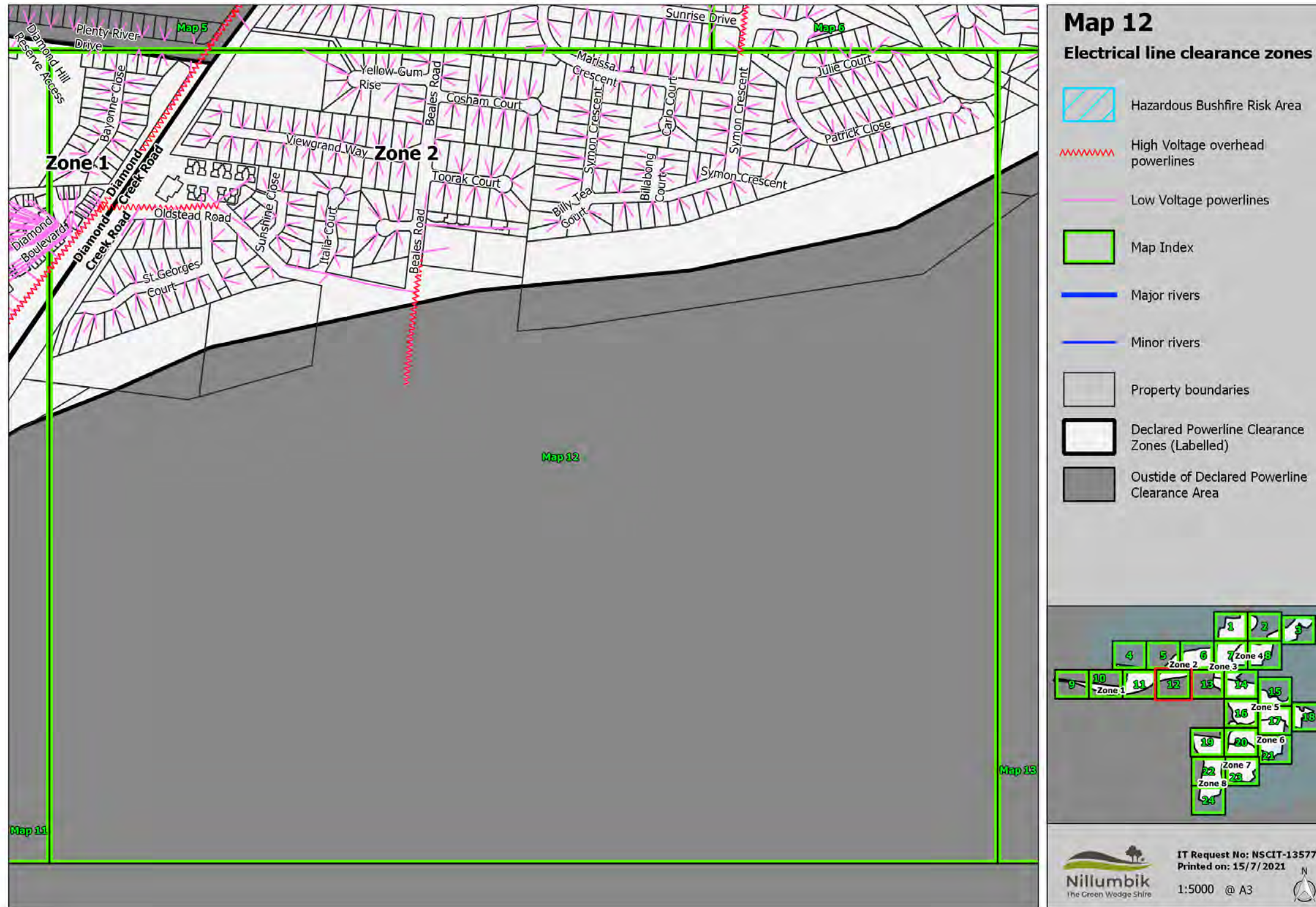
Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area





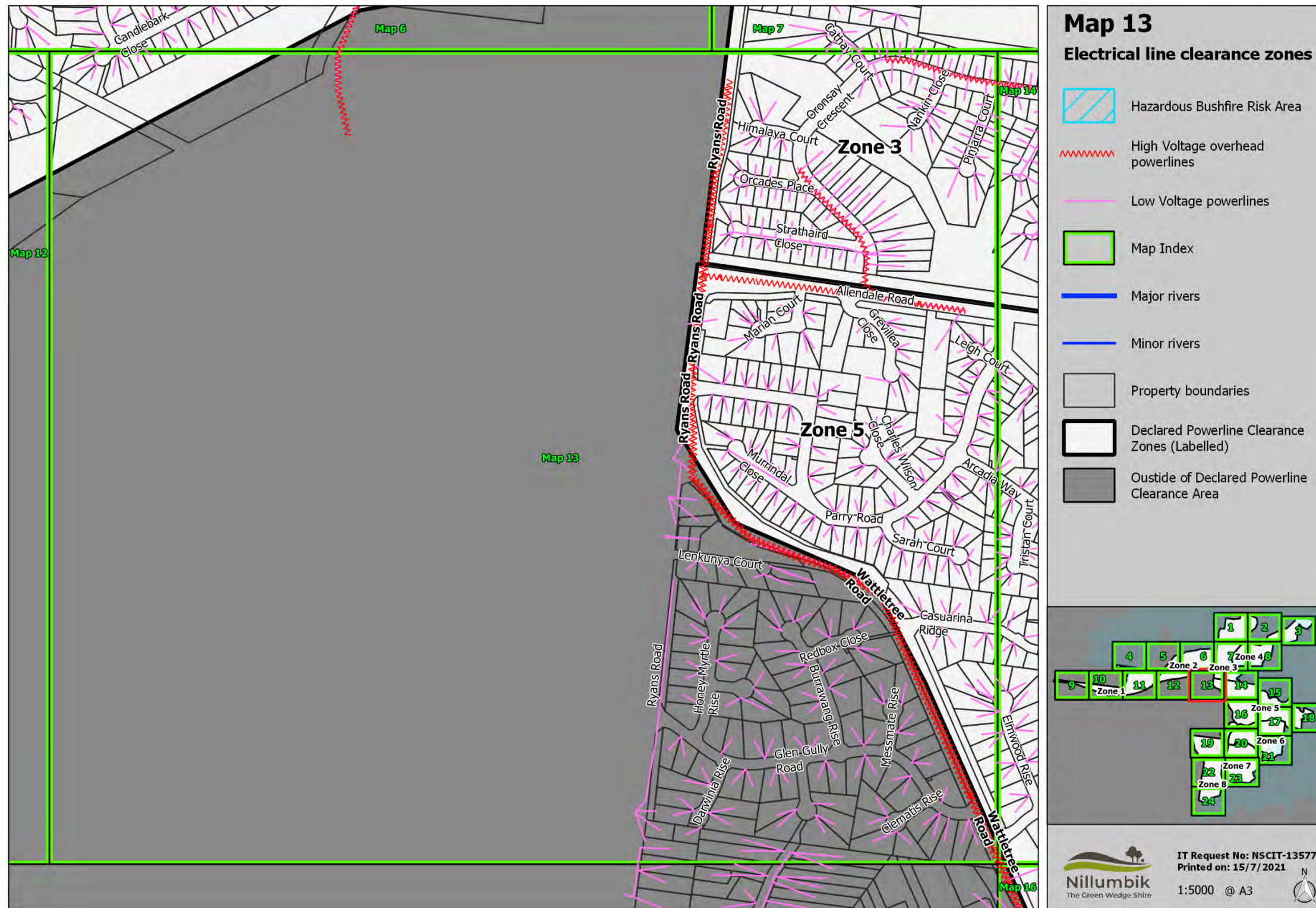
Map 12

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



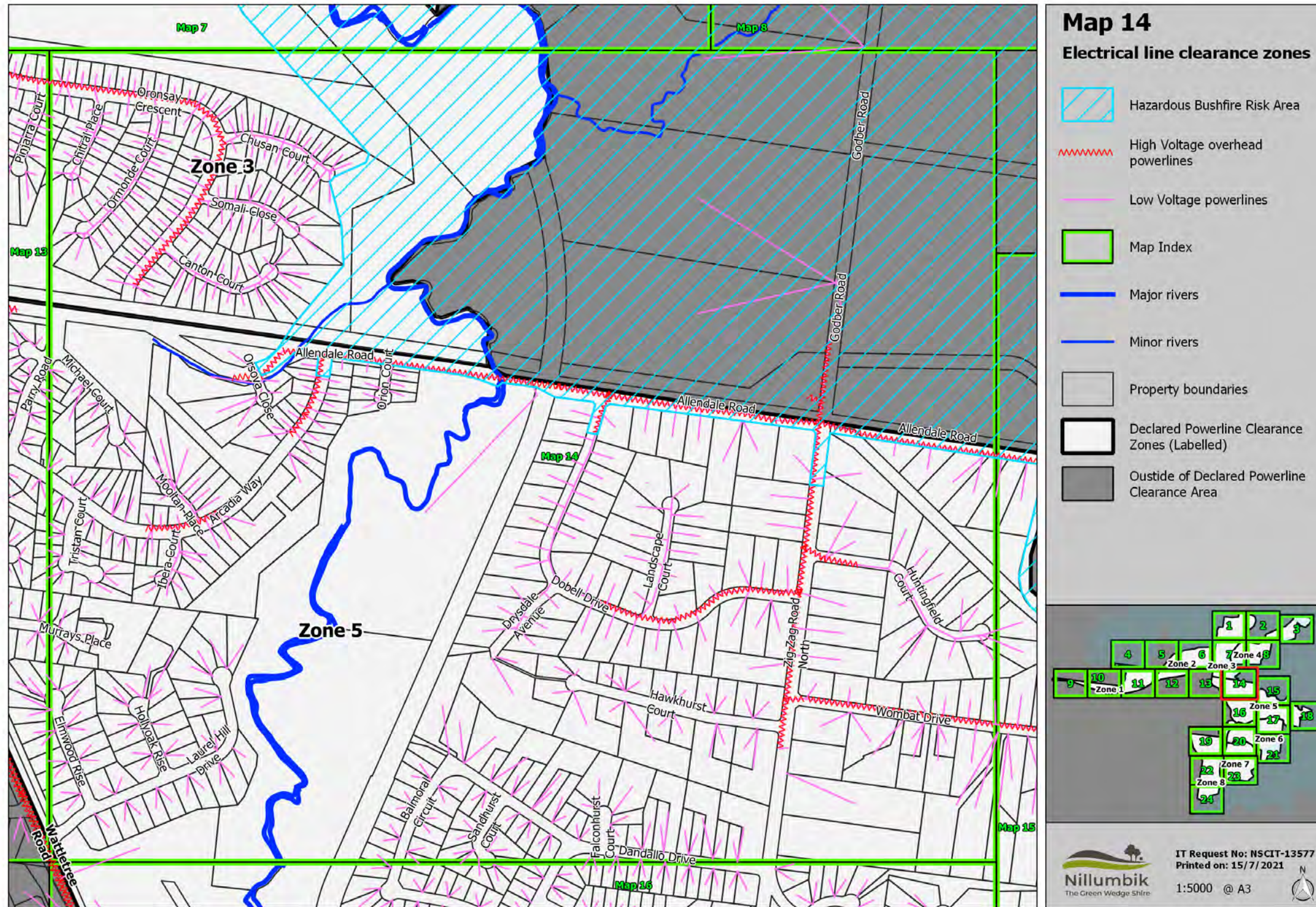
# Map 13

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



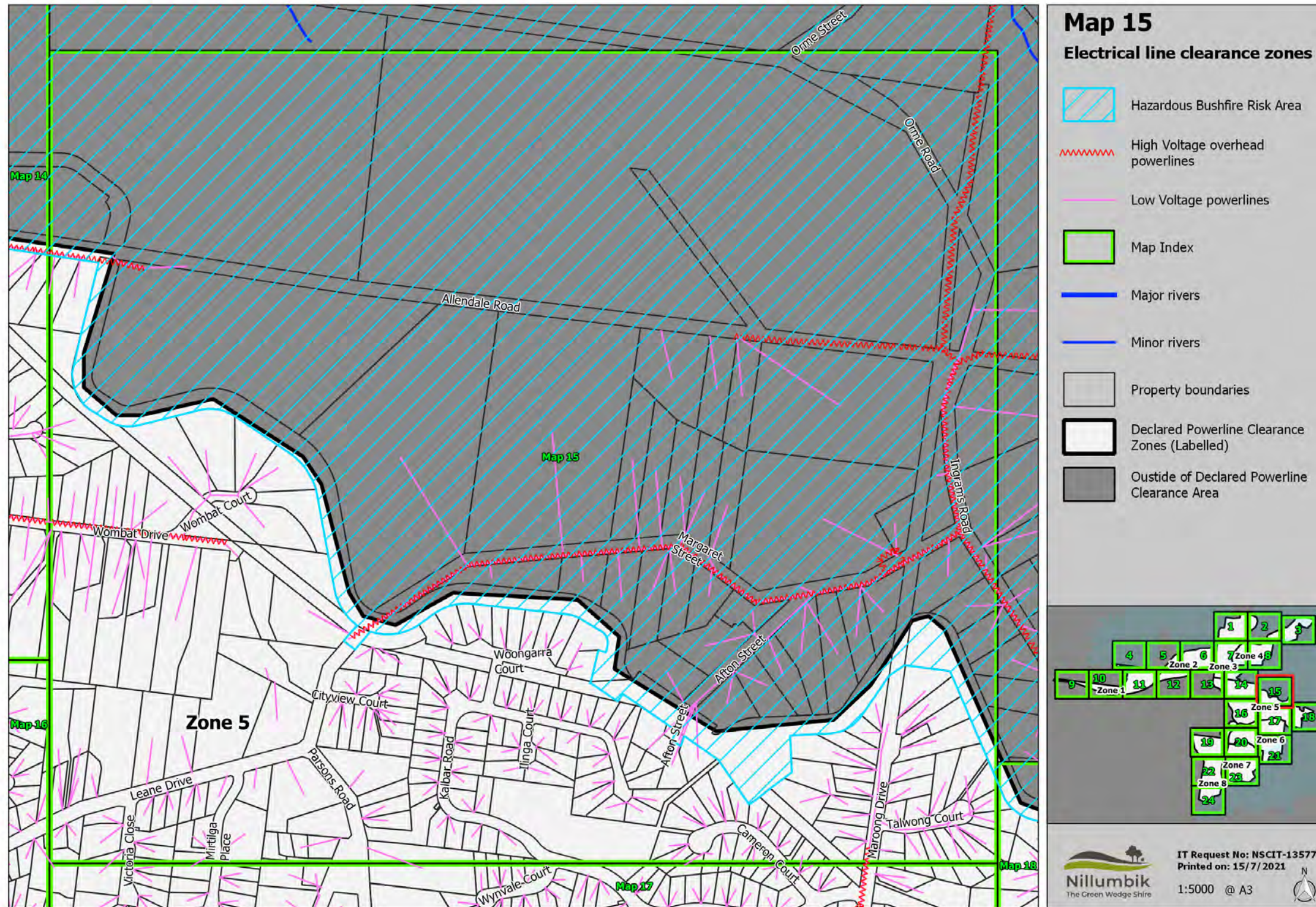
Map 14

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



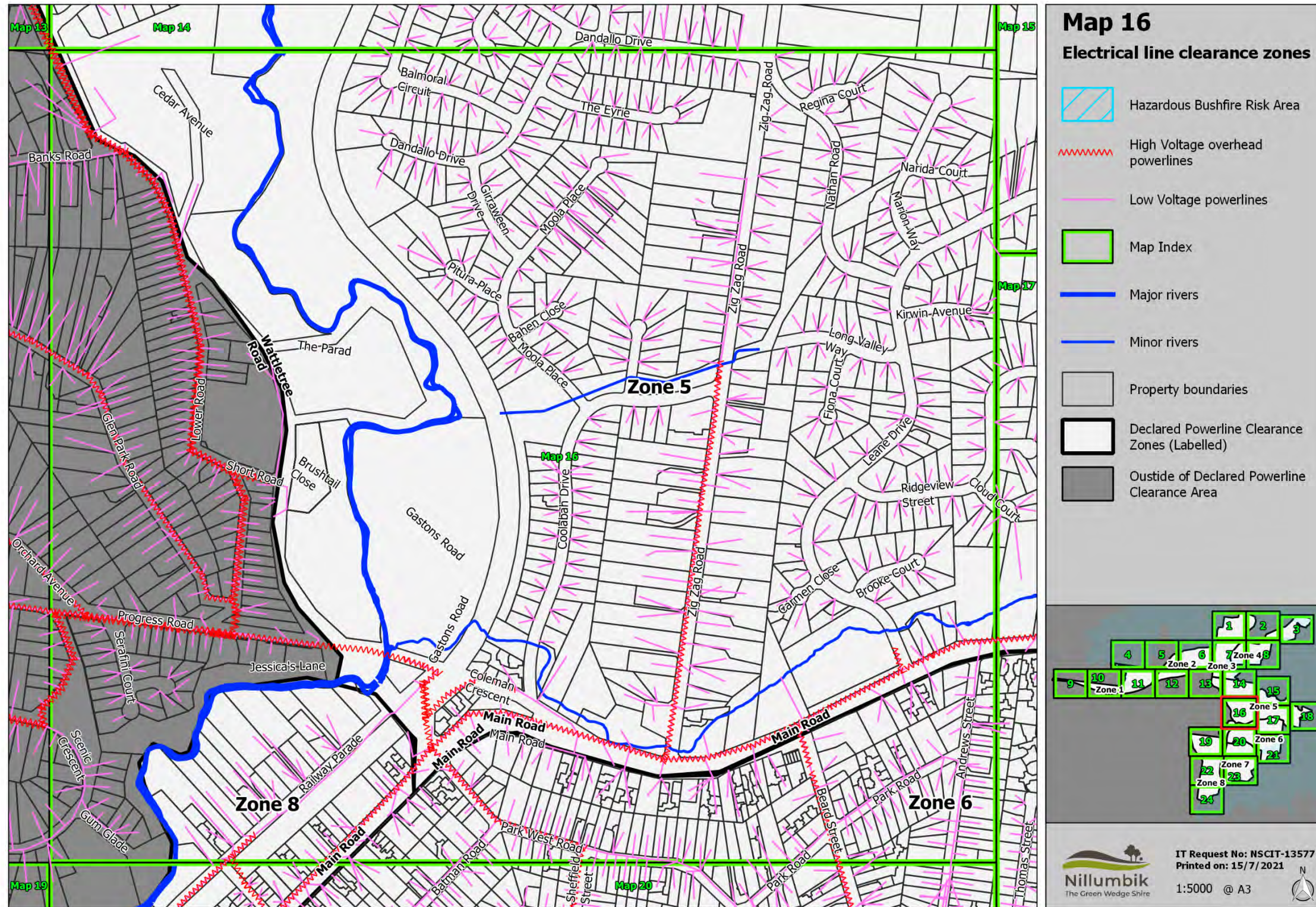
# Map 15

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



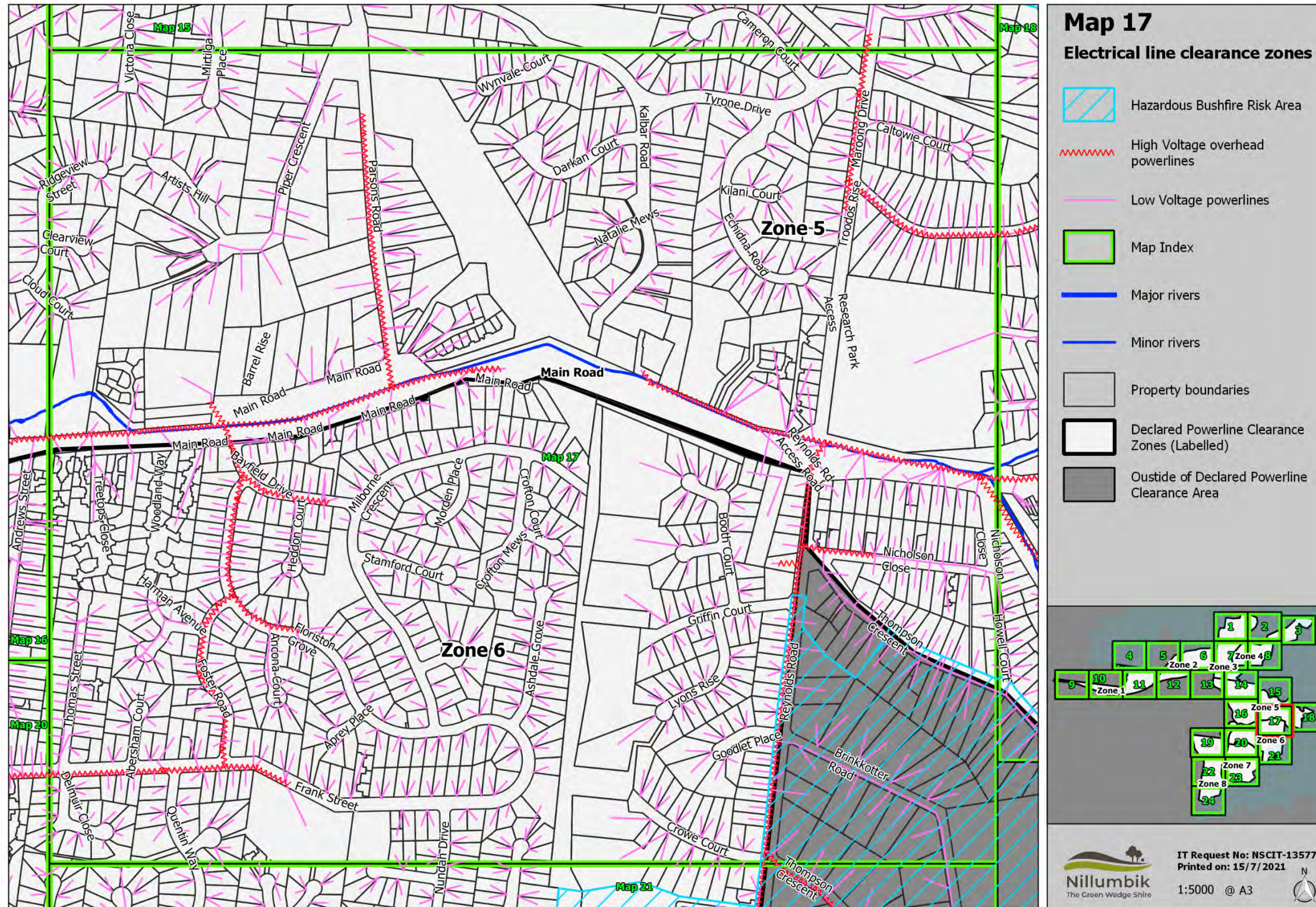
Map 16

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



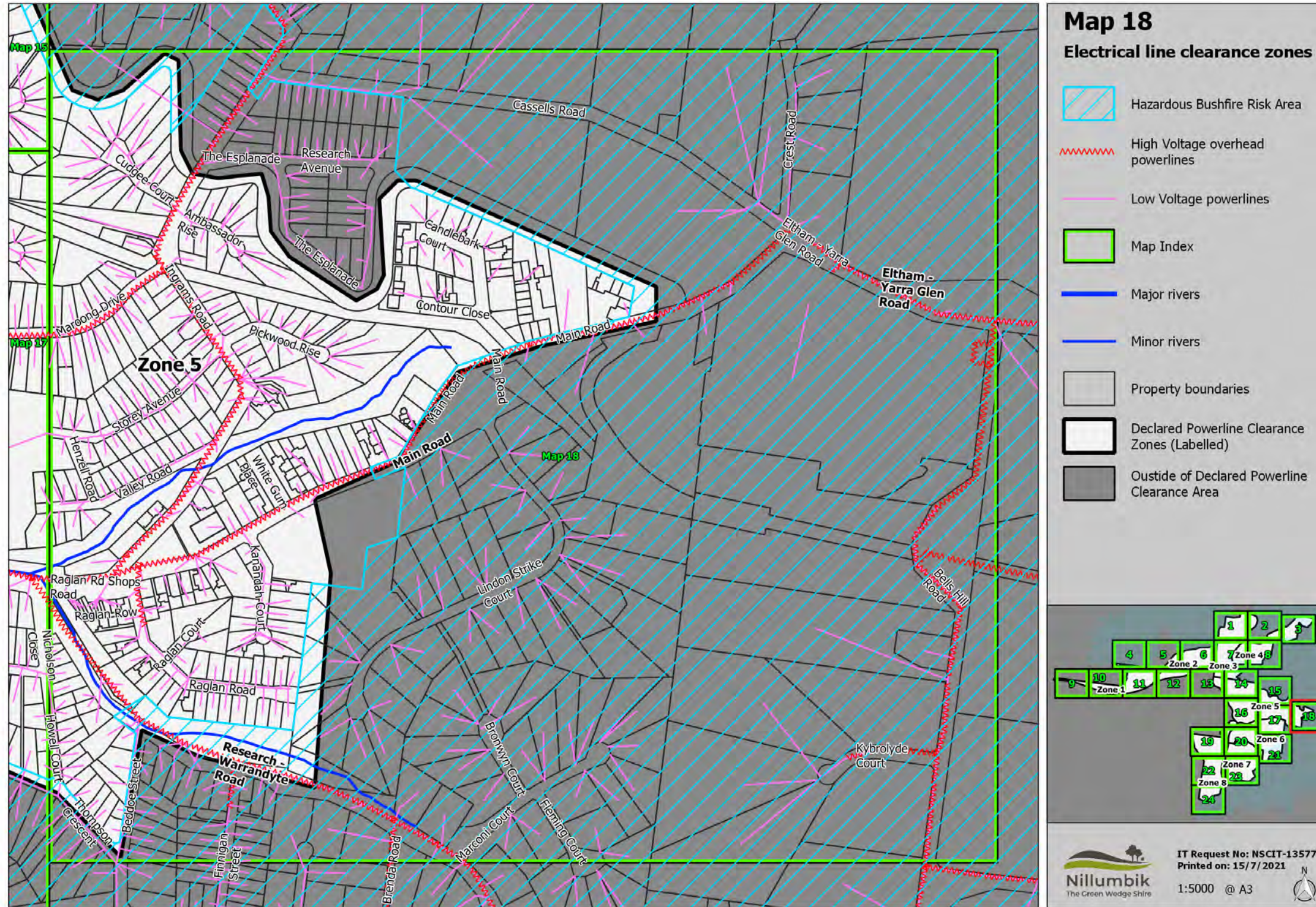
Map 17

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



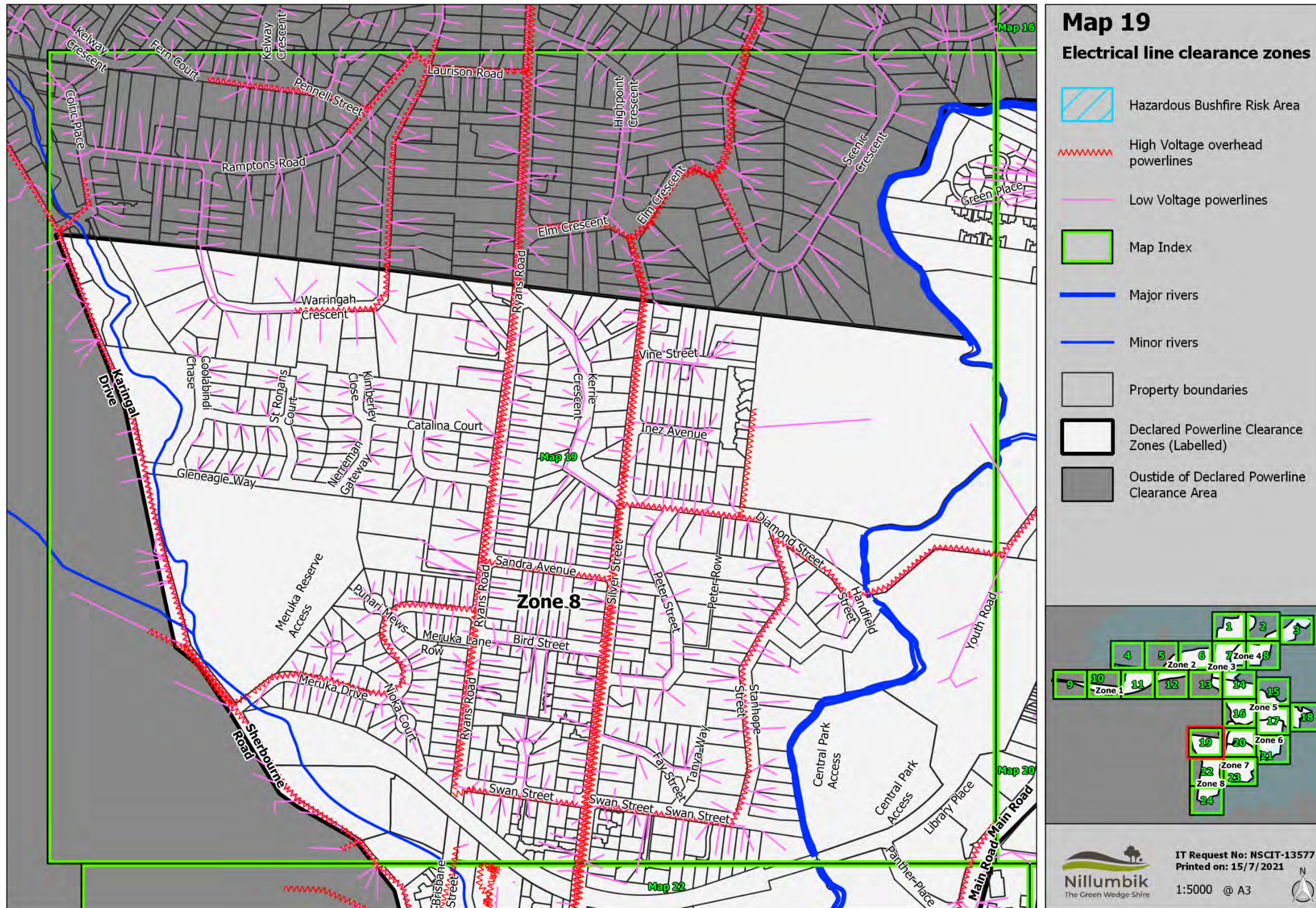
# Map 18

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



Map 19

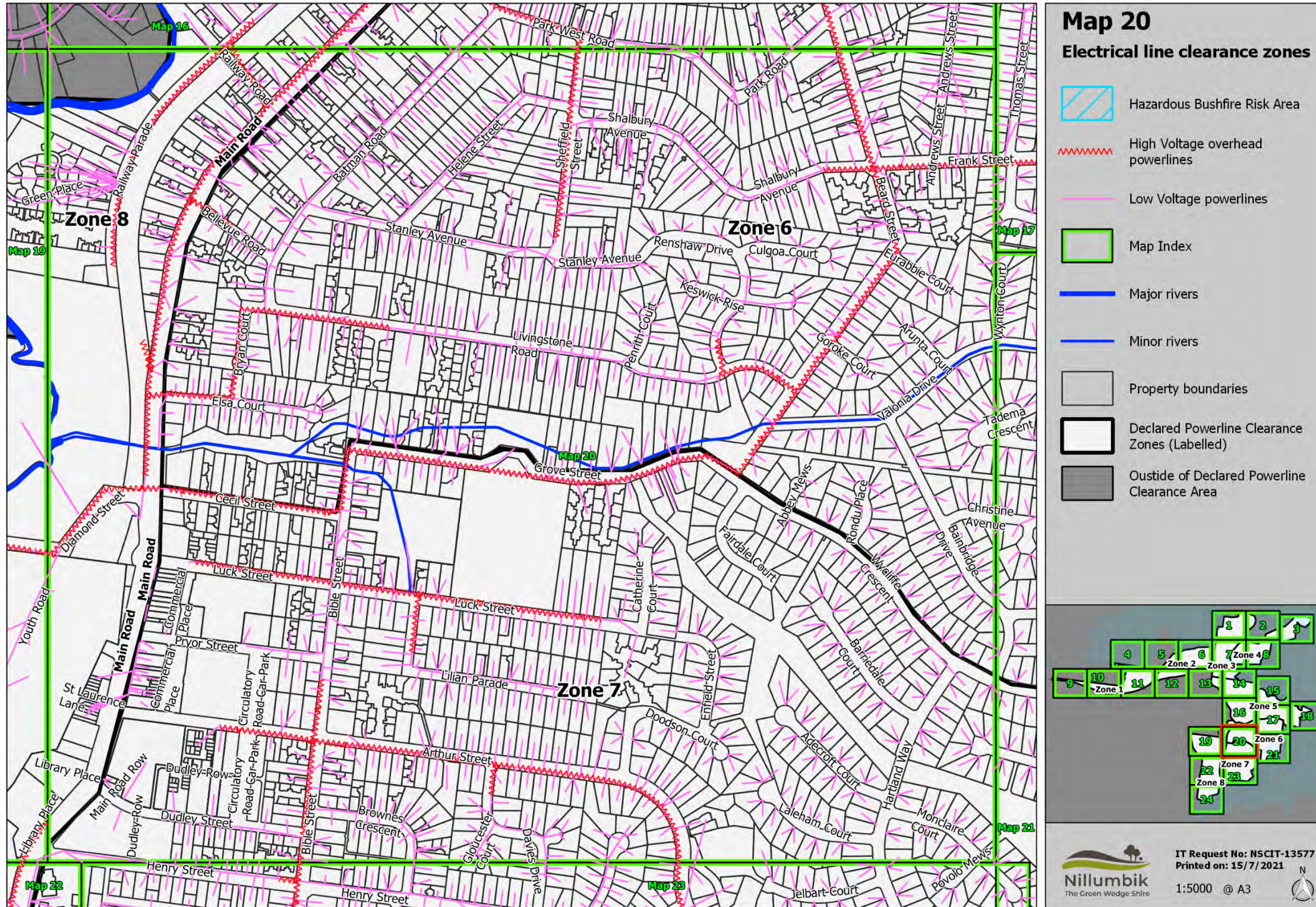
Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area





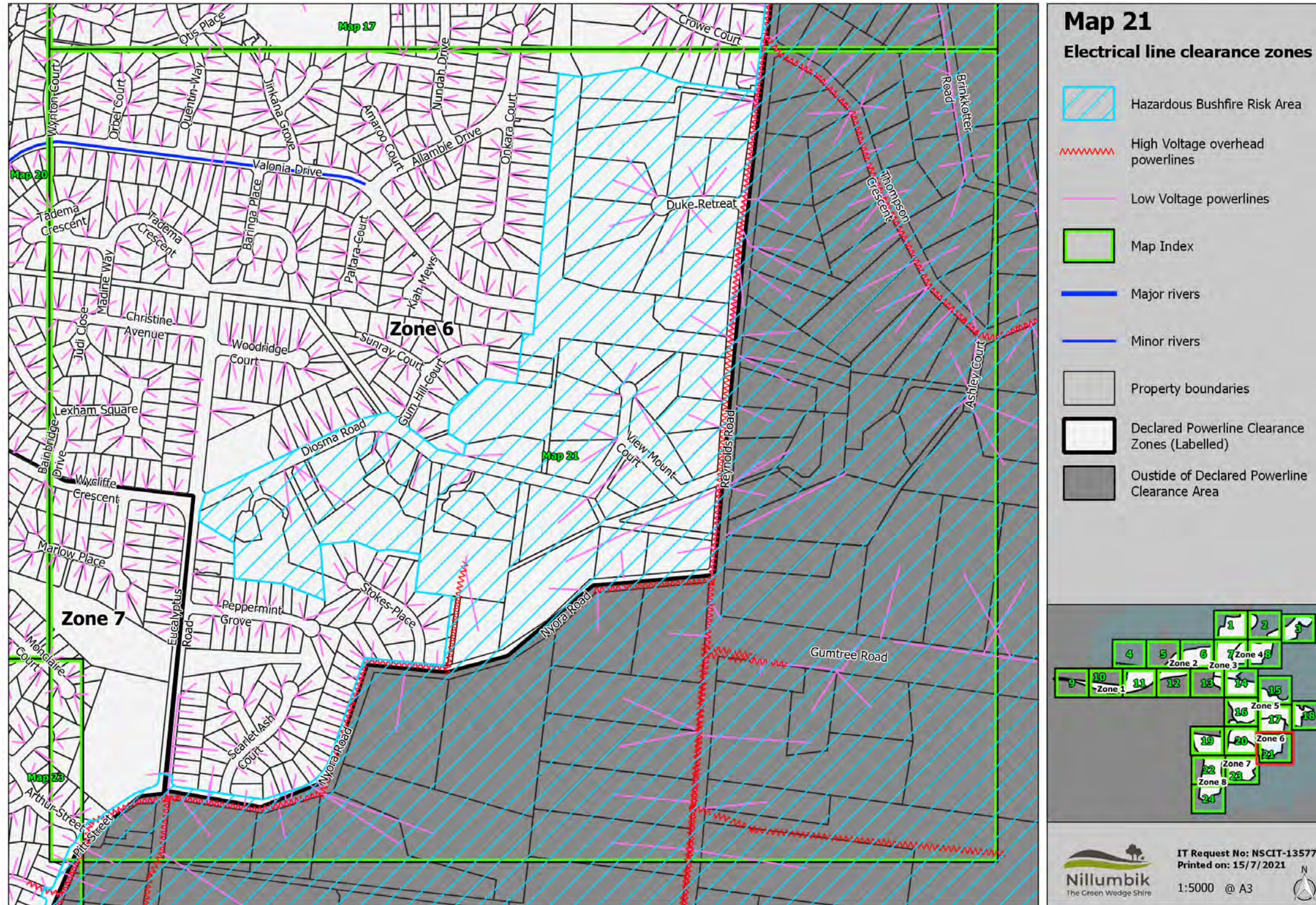
Map 20

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



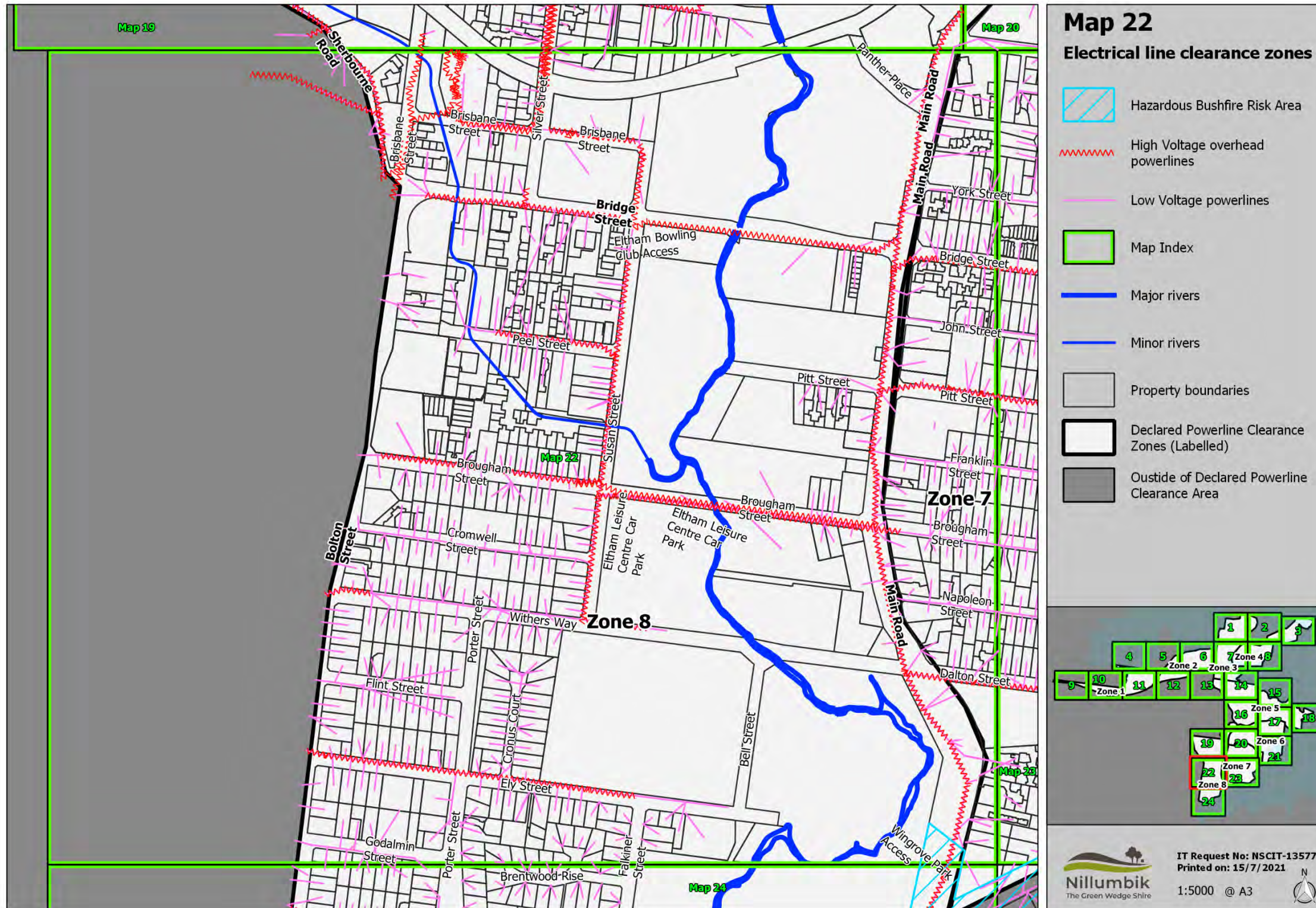
Map 21

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



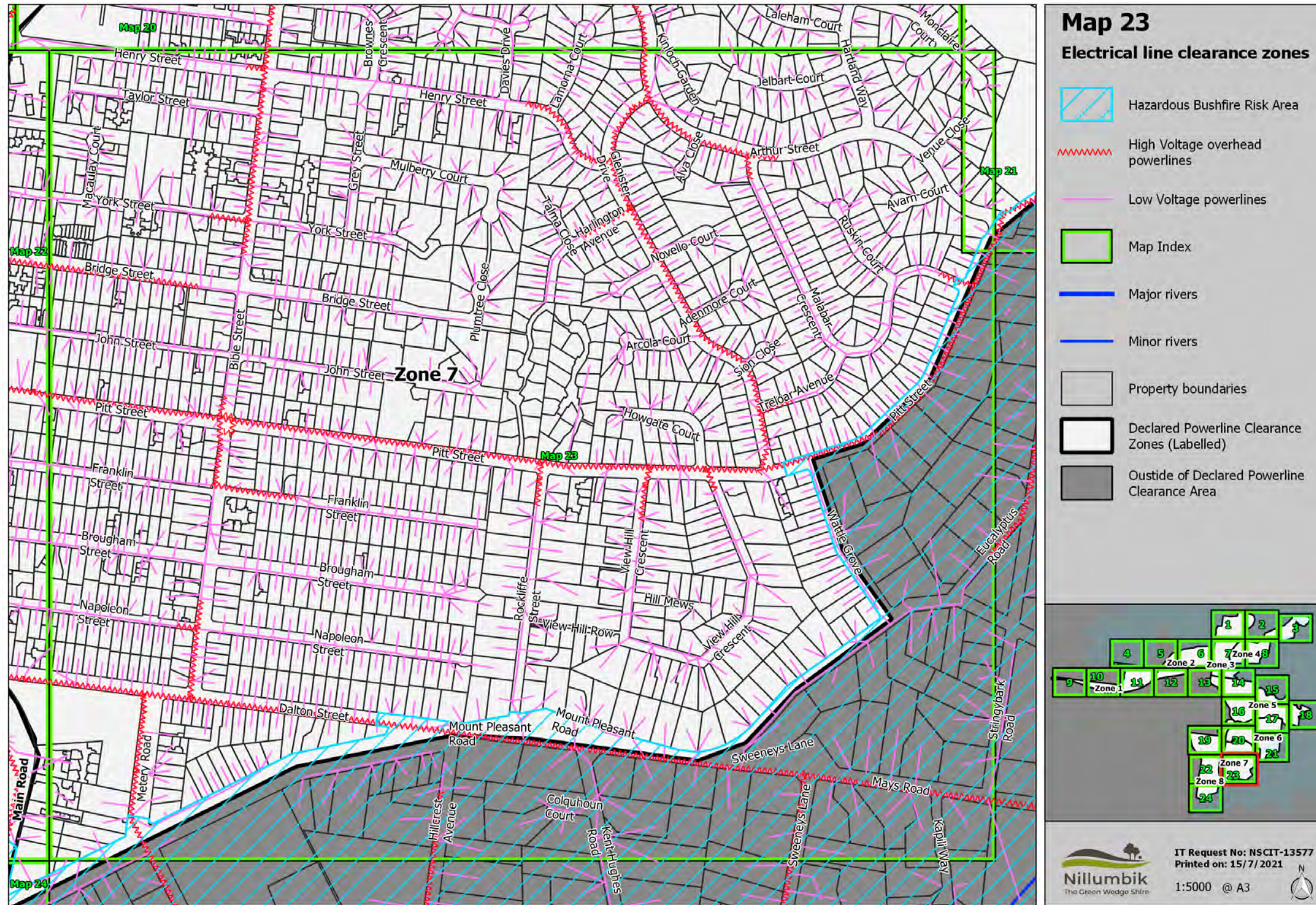
Map 22

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



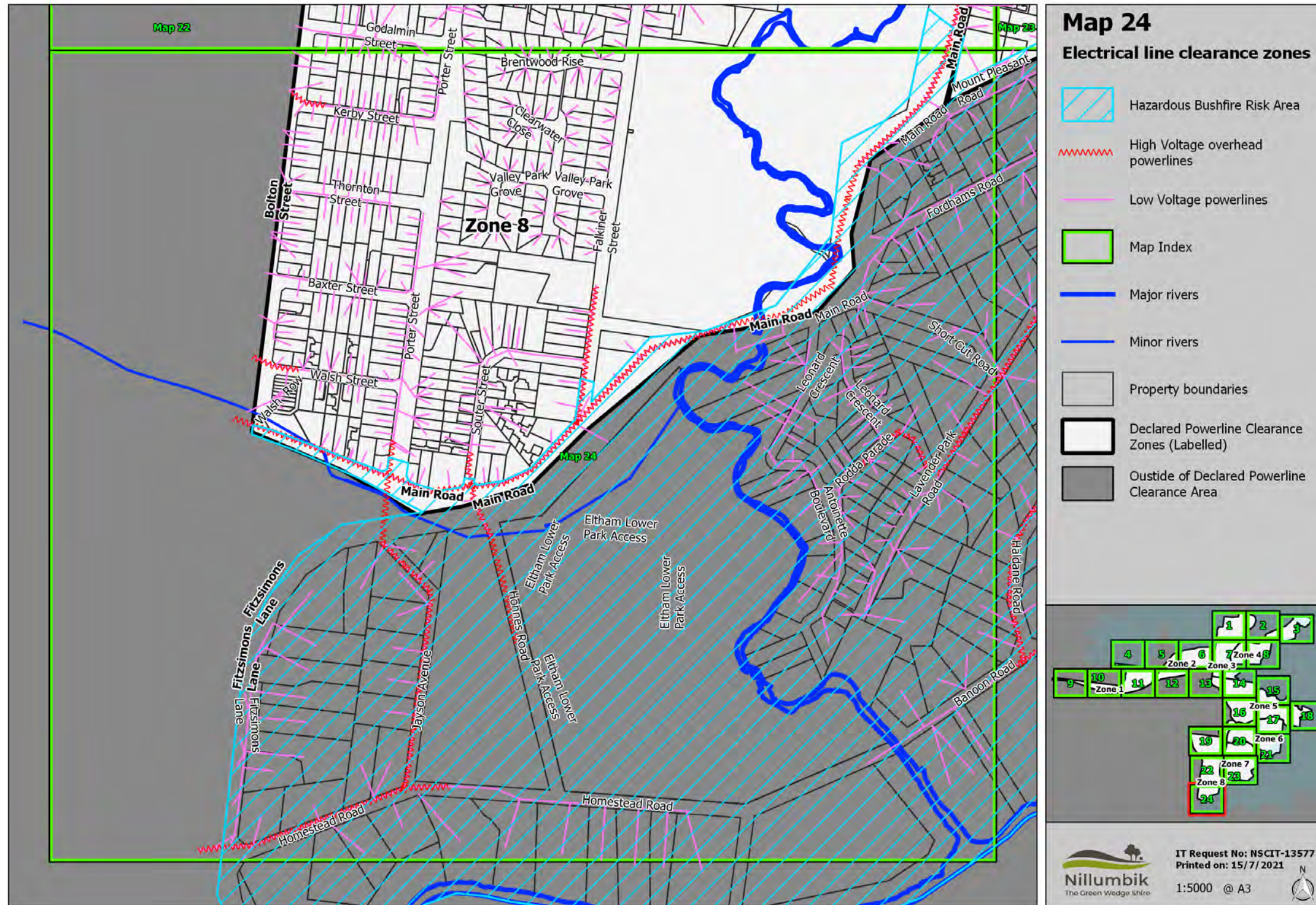
Map 23

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



Map 24

Detailed locality map for high voltage (HV) electric lines, low voltage (LV) electric lines and hazardous bushfire risk areas (HBRA) in the Nillumbik Declared Area



## Appendix 2 List of streets in the Nillumbik declared area with overhead electric lines

| Zone | Suburb        | Street              | Distance (kilometres) |
|------|---------------|---------------------|-----------------------|
| 1    | Greensborough | Booyan Crescent     | 0.83                  |
| 1    | Greensborough | Brinawa Drive       | 0.47                  |
| 1    | Greensborough | Civic Drive         | 0.7                   |
| 1    | Greensborough | Collendina Crescent | 0.45                  |
| 1    | Greensborough | Diamond Hills Drive | 0.43                  |
| 1    | Greensborough | Dwyer Place         | 0.08                  |
| 1    | Greensborough | Eastgate Drive      | 0.47                  |
| 1    | Greensborough | Evrah Place         | 0.05                  |
| 1    | Greensborough | Goolgung Crescent   | 0.3                   |
| 1    | Greensborough | Jarra Court         | 0.1                   |
| 1    | Greensborough | Kariboo Crescent    | 0.13                  |
| 1    | Greensborough | Kerta Close         | 0.07                  |
| 1    | Greensborough | Kinka Place         | 0.04                  |
| 1    | Greensborough | Myoora Court        | 0.03                  |
| 1    | Greensborough | Nioka Court         | 0.05                  |
| 1    | Greensborough | Nokuna Court        | 0.13                  |
| 1    | Greensborough | Nym Court           | 0.05                  |
| 1    | Greensborough | Senbin Court        | 0.07                  |
| 1    | Greensborough | Tirray Close        | 0.05                  |
| 1    | Greensborough | Vabiro Court        | 0.1                   |
| 1    | Greensborough | Wanbanna Avenue     | 0.32                  |
| 1    | Greensborough | Wanda Court         | 0.05                  |
| 1    | Greensborough | Yonde Court         | 0.06                  |
| 2    | Diamond Creek | Aqueduct Lane       | 0.59                  |
| 2    | Diamond Creek | Aqueduct Road       | 1.18                  |
| 2    | Diamond Creek | Citriodora Court    | 0.18                  |
| 2    | Greensborough | Cooee Court         | 0.1                   |
| 2    | Diamond Creek | Diamond Creek Rd    | 3.92                  |
| 2    | Greensborough | Diamond Creek Rd    | 1.41                  |

| <b>Zone</b> | <b>Suburb</b> | <b>Street</b>          | <b>Distance (kilometres)</b> |
|-------------|---------------|------------------------|------------------------------|
| 2           | Diamond Creek | Marino Way             | 0.24                         |
| 2           | Diamond Creek | Old Aqueduct Road      | 0.38                         |
| 2           | Diamond Creek | Old Diamond Creek Road | 0.94                         |
| 2           | Greensborough | Oldstead Road          | 0.31                         |
| 2           | Greensborough | St Georges Court       | 0.26                         |
| 2           | Diamond Creek | Wilson Road            | 1.9                          |
| 3           | Diamond Creek | Amaroo Court           | 0.11                         |
| 3           | Diamond Creek | Bage Street            | 0.21                         |
| 3           | Diamond Creek | Broad Gully Road       | 6.6                          |
| 3           | Diamond Creek | Campbell Street        | 0.3                          |
| 3           | Diamond Creek | Canton Court           | 0.18                         |
| 3           | Eltham Nth    | Cathay Court           | 0.1                          |
| 3           | Diamond Creek | Challenger Street      | 0.4                          |
| 3           | Eltham Nth    | Chitral Place          | 0.1                          |
| 3           | Eltham Nth    | Chusan Court           | 0.2                          |
| 3           | Diamond Creek | Chute Street           | 0.16                         |
| 3           | Diamond Creek | Clyde Street           | 0.58                         |
| 3           | Diamond Creek | Collins Street         | 0.39                         |
| 3           | Diamond Creek | Cowen St               | 0.42                         |
| 3           | Diamond Creek | Dartagook Street       | 0.2                          |
| 3           | Diamond Creek | Diamond Street         | 0.78                         |
| 3           | Diamond Creek | Edinburgh Street       | 0.34                         |
| 3           | Diamond Creek | Edmonds Street         | 0.43                         |
| 3           | Diamond Creek | Elgata Court           | 0.1                          |
| 3           | Diamond Creek | Elizabeth Street       | 0.3                          |
| 3           | Diamond Creek | Fairview Crescent      | 0.28                         |
| 3           | Diamond Creek | Fuller Street          | 0.27                         |
| 3           | Diamond Creek | Galatea Street         | 0.22                         |
| 3           | Diamond Creek | Gipson Street          | 0.46                         |
| 3           | Diamond Creek | Grassy Flat Road       | 1                            |
| 3           | Diamond Creek | Happy Valley Rise      | 0.11                         |

| <b>Zone</b> | <b>Suburb</b> | <b>Street</b>    | <b>Distance (kilometres)</b> |
|-------------|---------------|------------------|------------------------------|
| 3           | Diamond Creek | Helen Court      | 0.16                         |
| 3           | Eltham Nth    | Himalaya Court   | 0.07                         |
| 3           | Diamond Creek | Hyde Street      | 0.24                         |
| 3           | Diamond Creek | Inglis Street    | 0.13                         |
| 3           | Diamond Creek | Ironbark Road    | 0.15                         |
| 3           | Diamond Creek | Koonawarra Way   | 0.37                         |
| 3           | Diamond Creek | Lambert Street   | 0.54                         |
| 3           | Diamond Creek | Main Street      | 4.02                         |
| 3           | Diamond Creek | Moray Street     | 0.3                          |
| 3           | Diamond Creek | Murray Road      | 0.92                         |
| 3           | Eltham Nth    | Nankin Close     | 0.08                         |
| 3           | Eltham Nth    | Orcades Place    | 0.1                          |
| 3           | Eltham Nth    | Ormonde Court    | 0.2                          |
| 3           | Diamond Creek | Oronsay Crescent | 1.2                          |
| 3           | Diamond Creek | Parook Court     | 0.14                         |
| 3           | Eltham Nth    | Pinjarra Court   | 0.1                          |
| 3           | Diamond Creek | Price Court      | 0.1                          |
| 3           | Diamond Creek | Rangeview Road   | 0.27                         |
| 3           | Diamond Creek | Risdale Court    | 0.1                          |
| 3           | Diamond Creek | Ryan Street      | 0.2                          |
| 3           | Diamond Creek | Ryans Road       | 4.54                         |
| 3           | Eltham Nth    | Somali Close     | 0.15                         |
| 3           | Diamond Creek | Station Street`  | 0.2                          |
| 3           | Diamond Creek | Stone Street     | 0.18                         |
| 3           | Eltham Nth    | Strathaird Close | 0.2                          |
| 3           | Diamond Creek | Valley Court     | 0.1                          |
| 3           | Diamond Creek | Watkins Street   | 0.55                         |
| 4           | Diamond Creek | Anne Street      | 0.29                         |
| 4           | Diamond Creek | Bishop Avenue    | 1.53                         |
| 4           | Diamond Creek | Brooks Crescent  | 0.18                         |
| 4           | Diamond Creek | Bruce Street     | 0.3                          |



| <b>Zone</b> | <b>Suburb</b> | <b>Street</b>       | <b>Distance (kilometres)</b> |
|-------------|---------------|---------------------|------------------------------|
| 4           | Diamond Creek | Bruford Street      | 0.11                         |
| 4           | Diamond Creek | Chapman Street      | 0.46                         |
| 4           | Diamond Creek | Coniston Street     | 0.33                         |
| 4           | Diamond Creek | Dering Street       | 0.45                         |
| 4           | Wattle Glen   | Edward Street       | 0.1                          |
| 4           | Diamond Creek | Egan Street         | 0.2                          |
| 4           | Diamond Creek | Everard Street      | 0.16                         |
| 4           | Diamond Creek | Fyffe Street        | 0.52                         |
| 4           | Diamond Creek | George Street       | 0.9                          |
| 4           | Diamond Creek | Gregg Street        | 0.4                          |
| 4           | Diamond Creek | Haley Street        | 0.8                          |
| 4           | Diamond Creek | Harrington Street   | 0.03                         |
| 4           | Diamond Creek | Ilana View Drive    | 0.46                         |
| 4           | Diamond Creek | James Cook Drive    | 0.89                         |
| 4           | Diamond Creek | Kelly Street        | 0.25                         |
| 4           | Diamond Creek | Lovitt Close        | 0.11                         |
| 4           | Diamond Creek | Nillumbik Square    | 0.35                         |
| 4           | Diamond Creek | Norma Street        | 0.25                         |
| 4           | Diamond Creek | Patyah Street       | 0.69                         |
| 4           | Diamond Creek | Perversi Avenue     | 1.27                         |
| 4           | Diamond Creek | Phipps Crescent     | 2                            |
| 4           | Diamond Creek | Reynolds Road       | 1.1                          |
| 4           | Wattle Glen   | Reynolds Road       | 2                            |
| 4           | Diamond Creek | Royston Street      | 0.09                         |
| 4           | Wattle Glen   | Sunnyside Crescent  | 0.85                         |
| 4           | Diamond Creek | The Parkway         | 0.38                         |
| 4           | Diamond Creek | The Rise            | 0.1                          |
| 4           | Diamond Creek | Victoria Street     | 0.25                         |
| 4           | Diamond Creek | Waigo Way           | 0.3                          |
| 4           | Diamond Creek | Ward Street         | 0.1                          |
| 4           | Wattle Glen   | Warrington Crescent | 0.5                          |

| <b>Zone</b> | <b>Suburb</b> | <b>Street</b>          | <b>Distance (kilometres)</b> |
|-------------|---------------|------------------------|------------------------------|
| 4           | Diamond Creek | Wensley Street         | 0.4                          |
| 5           | Diamond Creek | Allendale Road         | 5.2                          |
| 5           | Research      | Beddoe Road            | 0.19                         |
| 5           | Research      | Caltowie Court         | 0.15                         |
| 5           | Research      | Cudgee Court           | 0.13                         |
| 5           | Eltham        | Dobell Drive           | 0.7                          |
| 5           | Eltham Nth    | Drysdale Road          | 0.13                         |
| 5           | Eltham Nth    | Grevillea Close        | 0.15                         |
| 5           | Research      | Henzell Road           | 0.1                          |
| 5           | Research      | Howell Court           | 0.13                         |
| 5           | Eltham        | Huntingfield Court     | 0.3                          |
| 5           | Research      | Ingrams Road           | 1.77                         |
| 5           | Research      | Kanandah Court         | 0.17                         |
| 5           | Eltham Nth    | Landscape Court        | 0.2                          |
| 5           | Eltham        | Leane Drive            | 1.3                          |
| 5           | Research      | Main Road              | 7.35                         |
| 5           | Eltham Nth    | Marian Court           | 0.1                          |
| 5           | Research      | Maroong Drive          | 0.8                          |
| 5           | Research      | Nicholson Court        | 0.4                          |
| 5           | Eltham Nth    | Orion Court            | 0.05                         |
| 5           | Eltham        | Parsons Road           | 0.86                         |
| 5           | Research      | Pickwood Rise          | 0.17                         |
| 5           | Research      | Piper Crescent         | 0.4                          |
| 5           | Research      | Raglan Court           | 0.06                         |
| 5           | Research      | Raglan Road            | 0.34                         |
| 5           | Research      | Research/Warrandyte Rd | 3.11                         |
| 5           | Research      | Storey Avenue          | 0.3                          |
| 5           | Research      | Talwong Court          | 0.14                         |
| 5           | Research      | Thompson Crescent      | 1.7                          |
| 5           | Research      | Valley Road            | 1.9                          |
| 5           | Eltham Nth    | Wattletree road        | 2.5                          |

| <b>Zone</b> | <b>Suburb</b> | <b>Street</b>    | <b>Distance (kilometres)</b> |
|-------------|---------------|------------------|------------------------------|
| 5           | Eltham Nth    | Wombat Court     | 0.1                          |
| 5           | Eltham        | Wombat Drive     | 0.13                         |
| 5           | Eltham        | Zig Zag Road     | 0.68                         |
| 5           | Eltham Nth    | Zig Zag Road     | 1.09                         |
| 6           | Eltham        | Abersham Court   | 0.09                         |
| 6           | Eltham        | Andrews Street   | 0.47                         |
| 6           | Eltham        | Batman Road      | 0.5                          |
| 6           | Eltham        | Bayfield Drive   | 0.24                         |
| 6           | Eltham        | Beard Street     | 0.9                          |
| 6           | Eltham        | Bellevue Road    | 0.14                         |
| 6           | Eltham        | Bryan Court      | 0.2                          |
| 6           | Eltham        | Elouera Close    | 0.1                          |
| 6           | Eltham        | Elsa Court       | 0.24                         |
| 6           | Eltham        | Eucalyptus Road  | 1.36                         |
| 6           | Eltham        | Floriston Grove  | 0.57                         |
| 6           | Eltham        | Foster Road      | 0.3                          |
| 6           | Eltham        | Frank Street     | 1.1                          |
| 6           | Eltham        | Gladwyn Court    | 0.6                          |
| 6           | Eltham        | Harman Avenue    | 0.1                          |
| 6           | Eltham        | Heddon Court     | 0.1                          |
| 6           | Eltham        | Helene Street    | 0.34                         |
| 6           | Eltham        | Livingston Road  | 0.8                          |
| 6           | Eltham        | Nyora Road       | 0.9                          |
| 6           | Eltham        | Park Road        | 0.5                          |
| 6           | Eltham        | Park West Road   | 0.37                         |
| 6           | Eltham        | Penrith Court    | 0.1                          |
| 6           | Eltham        | Renshaw Drive    | 0.3                          |
| 6           | Research      | Reynolds Road    | 2.97                         |
| 6           | Eltham        | Shalbury Avenue  | 0.5                          |
| 6           | Eltham        | Sheffield Street | 0.3                          |
| 6           | Eltham        | Stanley Avenue   | 0.5                          |

| <b>Zone</b> | <b>Suburb</b> | <b>Street</b>    | <b>Distance (kilometres)</b> |
|-------------|---------------|------------------|------------------------------|
| 6           | Eltham        | Thomas Street    | 0.23                         |
| 6           | Eltham        | Treetops Close   | 0.5                          |
| 6           | Research      | Viewmount Court  | 0.26                         |
| 6           | Eltham        | Woodland Way     | 0.19                         |
| 7           | Eltham        | Adenmore Court   | 0.09                         |
| 7           | Eltham        | Arcola Court     | 0.12                         |
| 7           | Eltham        | Arthur Street    | 1.6                          |
| 7           | Eltham        | Avarn Court      | 0.1                          |
| 7           | Eltham        | Bible Street     | 1.6                          |
| 7           | Eltham        | Brownes Crescent | 1.32                         |
| 7           | Eltham        | Cecil Street     | 0.27                         |
| 7           | Eltham        | Dalton Street    | 0.7                          |
| 7           | Eltham        | Davies Drive     | 0.3                          |
| 7           | Eltham        | Dudley street    | 0.3                          |
| 7           | Eltham        | Franklin Street  | 0.8                          |
| 7           | Eltham        | Glenister Drive  | 0.67                         |
| 7           | Eltham        | Gloucester Court | 0.04                         |
| 7           | Eltham        | Grey Street      | 0.21                         |
| 7           | Eltham        | Grove Street     | 0.6                          |
| 7           | Eltham        | Harlington Ave   | 0.2                          |
| 7           | Eltham        | Henry Street     | 0.9                          |
| 7           | Eltham        | John Street      | 0.8                          |
| 7           | Eltham        | Kent Court       | 0.03                         |
| 7           | Eltham        | Lamorna Court    | 0.14                         |
| 7           | Eltham        | Lillian Parade   | 0.38                         |
| 7           | Eltham        | Luck Street      | 0.7                          |
| 7           | Eltham        | Macaulay Court   | 0.1                          |
| 7           | Eltham        | Malabar Crescent | 0.6                          |
| 7           | Eltham        | Mt Pleasant Road | 5.92                         |
| 7           | Eltham        | Napoleon Street  | 0.8                          |
| 7           | Eltham        | Novello Court    | 0.1                          |

| <b>Zone</b> | <b>Suburb</b> | <b>Street</b>      | <b>Distance (kilometres)</b> |
|-------------|---------------|--------------------|------------------------------|
| 7           | Eltham        | Pitt Street        | 2.1                          |
| 7           | Eltham        | Pryor Street       | 0.3                          |
| 7           | Eltham        | Rockliffe Street   | 0.4                          |
| 7           | Eltham        | Roxby Close        | 0.07                         |
| 7           | Eltham        | Ruskin Court       | 0.15                         |
| 7           | Eltham        | Sion Close         | 0.05                         |
| 7           | Eltham        | Talma Close        | 0.06                         |
| 7           | Eltham        | Taylor Street      | 0.34                         |
| 7           | Eltham        | Treloar Avenue     | 0.15                         |
| 7           | Eltham        | View Hill Crescent | 0.65                         |
| 7           | Eltham        | Wattle Grove       | 0.24                         |
| 7           | Eltham        | York Street        | 0.64                         |
| 8           | Eltham        | Baxter Street      | 0.2                          |
| 8           | Eltham        | Bell Street        | 0.2                          |
| 8           | Eltham        | Bolton Street      | 2.05                         |
| 8           | Eltham        | Bridge Street      | 1.45                         |
| 8           | Eltham        | Brisbane Street    | 1.3                          |
| 8           | Eltham        | Brougham Street    | 1.6                          |
| 8           | Eltham        | Cromwell Street    | 0.35                         |
| 8           | Eltham        | Cronus Court       | 0.15                         |
| 8           | Eltham        | Cygnets Court      | 0.1                          |
| 8           | Eltham        | Darly Place        | 0.05                         |
| 8           | Eltham        | Diamond Street     | 0.8                          |
| 8           | Eltham        | Ely Street         | 0.64                         |
| 8           | Eltham        | Falkiner Street    | 0.66                         |
| 8           | Eltham        | Fay Street         | 0.2                          |
| 8           | Eltham        | Flint Street       | 0.2                          |
| 8           | Eltham        | Godalmin Street    | 0.2                          |
| 8           | Eltham        | Inez Avenue        | 0.12                         |
| 8           | Eltham        | Karingal Drive     | 0.64                         |
| 8           | Eltham        | Kerby Street       | 0.2                          |

| <b>Zone</b> | <b>Suburb</b> | <b>Street</b>      | <b>Distance (kilometres)</b> |
|-------------|---------------|--------------------|------------------------------|
| 8           | Eltham        | Kerrie Crescent    | 0.35                         |
| 8           | Eltham        | Main Road          | 10.3                         |
| 8           | Eltham        | Meruka Drive       | 0.54                         |
| 8           | Eltham        | Nioka Court        | 0.04                         |
| 8           | Eltham        | Peel Street        | 0.2                          |
| 8           | Eltham        | Peter Street       | 0.4                          |
| 8           | Eltham        | Porter Street      | 1                            |
| 8           | Eltham        | Punari Mews        | 0.03                         |
| 8           | Eltham        | Ryans Road         | 0.73                         |
| 8           | Eltham        | Sandra Avenue      | 0.2                          |
| 8           | Eltham        | Sherbourne Road    | 0.45                         |
| 8           | Eltham        | Silver Street      | 1.17                         |
| 8           | Eltham        | Souter Street      | 0.3                          |
| 8           | Eltham        | Stanhope Street    | 0.45                         |
| 8           | Eltham        | Susan Street       | 0.6                          |
| 8           | Eltham        | Swan Street        | 0.4                          |
| 8           | Eltham        | Tanya Way          | 0.08                         |
| 8           | Eltham        | Thornton Street    | 0.2                          |
| 8           | Eltham        | Vine Street        | 0.07                         |
| 8           | Eltham        | Walsh Street       | 0.21                         |
| 8           | Eltham        | Warringah Crescent | 0.8                          |
| 8           | Eltham        | Withers Way        | 0.64                         |
|             |               |                    | 167.87                       |

### Appendix 3 Detailed locations of hazardous bushfire risk areas within the Nillumbik Declared Area

| Melways map ref                | Street number   | Street name      | Suburb                   |
|--------------------------------|---|------------------|--------------------------|
| 11 K10/<br>12 A10/<br>B10/ C10 | From Orsova<br>close to 168<br>(Research<br>Aqueduct)   | Allendale Road   | Diamond Creek/<br>Eltham |
| 12 A7/ A8                      | Whole street  | Dering Street    | Diamond Creek            |
| 12 A6/ A7                      | 22, 24, side 27,<br>29, 31, 32, 34, 36,<br>38, 41, 43   | Fyffe Street     | Diamond Creek            |
| 12 C4                          | 1, 38   | Landex Court     | Diamond Creek            |
| 11 K4/ K3                      | 47, 48, 49, 52, 55,<br>56   | Grassy Flat Road | Diamond Creek            |
| 11 K4/ J4                      | 14a, 14b, 11, 12,<br>15, 17-21  | Ironbark Road    | Diamond Creek            |
| 11 J5                          | 3, 2  | Koonawarra Way   | Diamond Creek            |
| 12 C3/ C4                      | 138, 142, 145,<br>147, 149, 151,<br>153, 155, 157,<br>159, 161, 163,<br>165, 167, 169,<br>171, 173, 193,<br>195, 197, 199 | Broad Gully Road | Diamond Creek            |
| 11 J6/J5                       | 134, 125-139<br><br>83, 85, 87, opp 87,<br>89, opp 89, 7, 5, 3,<br>1  | Lambert Street   | Diamond Creek            |
| 11 K4                          | 1, 4, 6, 8  | Murray Road      | Diamond Creek            |
| 12 B4/ B5                      | 5, 7, 8, 9, 10, 11,<br>12, 14, 15, 16, 17,<br>18, 19, 20, 21  | Rangeview Road   | Diamond Creek            |

Version: 9

Revision date: March 2023

Warning: Uncontrolled when printed

| <b>Melways map ref</b>   | <b>Street number</b>               | <b>Street name</b>        | <b>Suburb</b> |
|--------------------------|------------------------------------|---------------------------|---------------|
| 12 C7                    | side 1 (In Phipps Crescent)        | Royston Street            | Diamond Creek |
| 11 J6/J7                 | 455, 457, 459                      | Ryans Road                | Diamond Creek |
| 11 J6                    | rear 19 (1-5 Lambert Street)       | Stone Street              | Diamond Creek |
| 21 G10                   | CNR                                | Bolton Street & Main Road | Eltham        |
| 22 F3                    | side 1, side 21                    | Crowe Court               | Eltham        |
| 21 K8/ 22 A8             | 128, 137, 139, 141, 143, 145       | Dalton Street             | Eltham        |
| 12 B10                   | 30, 33, 35                         | Dobell Drive              | Eltham        |
| 21 H9                    | 7                                  | Falkiner Street           | Eltham        |
| 22 F2                    | side 1                             | Griffin Court             | Eltham        |
| 21 G10/ H10/H9/ J9/      | CNR Bolton street to 650 Main road | Main Road                 | Eltham        |
| 21 J8/ K8/ 22 A8/ B8/ C7 | CNR Main road to Wattle Grove      | Mount Pleasant Road       | Eltham        |
| 21 K8                    | 27, 31,                            | Metery Road               | Eltham        |
| 22 E5/ D5/D6             | Whole road                         | Nyora Road                | Eltham        |
| 22 B6/ C6                | Wattle Grove to Eucalyptus road    | Pitt Street               | Eltham        |
| 22 E5/ E4/F4/F3/ F2      | Cnr Nyora road to Griffin Court    | Reynolds Road             | Eltham        |
| 12 B10                   | 180, 186                           | Zig Zag Road North        | Eltham        |



| <b>Melways map ref</b> | <b>Street number</b>                                       | <b>Street name</b>       | <b>Suburb</b> |
|------------------------|--|--------------------------|---------------|
| 11 K10                 | 1, 2, 3, 4   | Arcadia Way              | Eltham North  |
| 22 G3                  | Beddoe Street to 7   | Research Warrandyte Road | Research      |
| 22 F 2                 | 135 to Beddoe Street                                       | Thompson Crescent        | Research      |
| 12 G3/<br>H3/H4/J4     | Whole Road   | Clarke Avenue            | Wattle Glen   |
| 12 G3/G4               | Old Hurstbridge road to Kangaroo Ground - Wattle Glen road | Hurstbridge Road         | Wattle Glen   |
| 12 J4/J3               | Whole road   | Park Avenue              | Wattle Glen   |
| 12 G4/G5               | Kangaroo Ground – Wattle Glen Road to Kamarooka Drive      | Reynolds Road            | Wattle Glen   |
| 12 G4                  | 32   | Warrington Crescent      | Wattle Glen   |

## Appendix 4 Electric line clearance audit pro forma

### PERFORMANCE MEASURES/AUDIT FOR POWERLINE CLEARANCE

| DATE                                | ASSESSOR | AREA CHECKED |  |
|-------------------------------------|----------|--------------|--|
| SERVICE REQUESTS FOR MONTH          |          |              |  |
| COMPLAINTS FOR MONTH                |          |              |  |
| AREA COMPLETED PRIOR TO FIRE SEASON |          |              |  |
| ANNUAL PRUNING                      |          |              |  |
| FIRES CAUSED BY VEGETATION          |          |              |  |

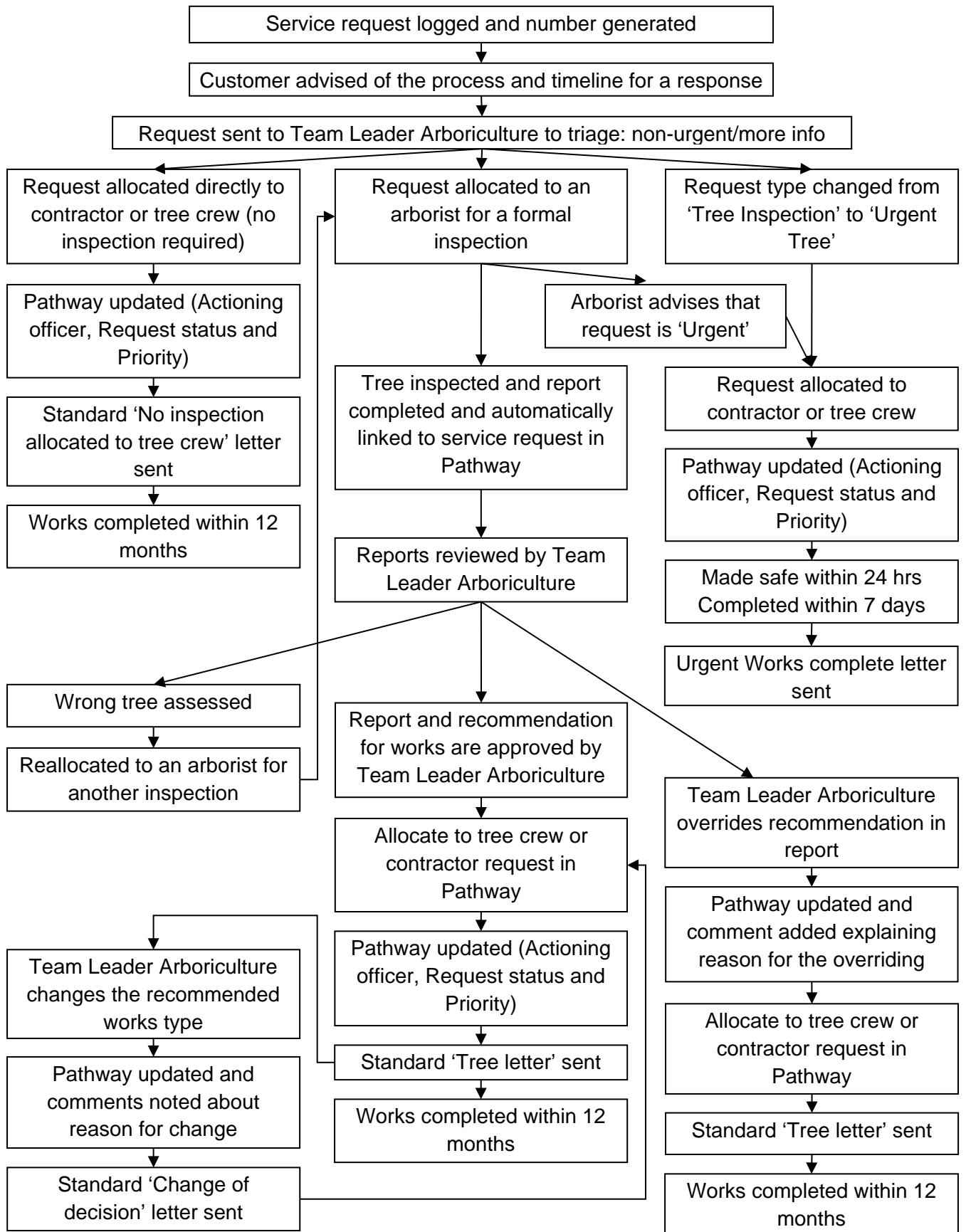
  

| SITES INSPECTED | VEGETATION PRUNED TO AS4373 | VEGETATION PRUNED TO CODE COMPLIANCE | REMOVALS UNDERTAKEN AS PER PROTOCOL |
|-----------------|-----------------------------|--------------------------------------|-------------------------------------|
|                 |                             |                                      |                                     |
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|                 |
|-----------------|
| <b>COMMENTS</b> |
|-----------------|

## Appendix 5 Nillumbik Council's reactive tree request process



## **Nillumbik Shire Council**

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