



1. Citation

This is a Local Planning Policy prepared under Schedule 2 of the Planning and Development (Local Planning Schemes) Regulations 2015 (Regulations). This Policy may be cited as Local Planning Policy No. 17 Vegetation.

2. Purpose

The purpose of this Policy is to carefully consider the need for the clearing of native vegetation and to ensure avoidance and mitigation measures are implemented through the planning process. The Policy also seeks to enhance canopy cover through replacement planting where vegetation removal is granted approval through a Net Gain approach.

3. Objectives

The objectives of this Policy are to encourage and facilitate the protection and enhancement of native and vegetation by:

- a. Balancing the protection of vegetation worthy of retention, the desired built form and land use outcomes at the earliest possible stage in the planning and development process.
- b. Protecting and enhancing vegetation extent and coverage to assist with:
 - a. Reducing the urban heat island effect;
 - b. Reducing air pollution and facilitating carbon sequestration;
 - c. Improving surface and groundwater quality;
 - d. Contributing a food source, habitat, roosting and breeding areas for wildlife;
 - e. Providing ecological corridors and native biodiversity; and
 - f. Maintaining soil integrity and preventing soil erosion.
- c. Maintaining and enhancing the amenity, character and sense of place through the protection and enhancement of vegetation.
- d. Applying a “mitigation hierarchy” to decision making to:
 - a. Avoid clearing of established vegetation;
 - b. Provide compensating planting of vegetation on site; and
 - c. Offset - where avoidance and rehabilitation cannot be achieved, fund Cash-In-Lieu contributions for planting within the Shire of Waroona.

4. Application of this Policy

This Policy applies to all matters where native vegetation is proposed to be cleared. Shire projects in roads and reserves will be exempt. Vegetation matters related to local government works in roads and reserves, are regulated by State Agencies. This Policy does not override approvals required by any other authority or legislation.

5. Conflict of Opinion

Where there is a conflict of opinion in the condition, value or importance of the vegetation between the Shire and the applicant, the Shire may engage an independent specialist to provide environmental advice. This shall be paid for by the applicant as per Part 7, Division 2, r.49 of the *Planning and Development Regulations 2009*.

6. Provisions

Development approval is required to clear native vegetation. Additionally, a clearing permit may also be required under legislation by other authorities.

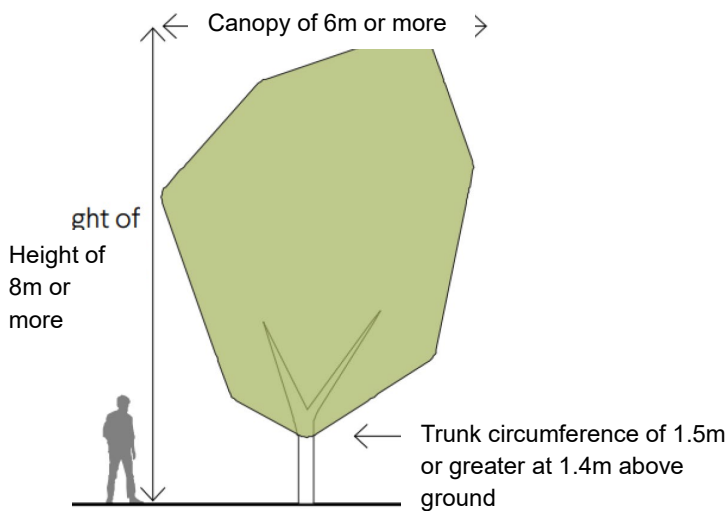
Townsite areas

Preston Beach requirements:

- a. Development approval is required to clear WA Peppermint (*Agonis flexuosa*) and Tuart (*Eucalyptus gomphocephala*) in the following instances:
 - i. Canopy diameter of 6m or greater; or
 - ii. Height of 8m or greater; or
 - iii. In the case of vegetation with a single trunk, a trunk circumference of 1.5m or greater, measured 1.4 metres above the ground. In the case of vegetation with multiple trunks, a total trunk circumference of 1.5 metres or greater.
- b. Development shall protect WA Peppermint and Tuart. Development shall prioritise the protection of larger, mature examples and design shall include the following:
 - i. Crossovers and driveways shall take the least destructive path.
 - ii. Dwellings and other development shall incorporate site responsive design.

Waroona and Hamel requirements:

- a. Development approval is required to clear Jarrah (*Eucalyptus marginata*), Marri (*Corymbia calophylla*), Yarri (*Eucalyptus patens*), WA Flooded Gum (*Eucalyptus rudis*), Swamp Paperbark (*Melaleuca raphiophylla*) and any wandoo species endemic to the region in the following instances:
 - i. Canopy diameter of 6m or greater; or
 - ii. Height of 8m or greater; or
 - iii. In the case of vegetation with a single trunk, a trunk circumference of 1.5m or greater, measured 1.4 metres above the ground. In the case of vegetation with multiple trunks, a total trunk circumference of 1.5 metres or greater.
- b. Development shall protect Jarrah and Marri. Development shall prioritise the protection of larger, mature examples and design shall address the following:
 - i. Crossovers and driveways shall take the least destructive path.
 - ii. Dwellings and other development shall incorporate site responsive design.



Above (left and right): Examples of vegetation requiring approval for clearing

Other townsite requirements:

- a. Street trees shall be retained to provide shading to footpaths and the pavement to reduce the urban heat island effect and retain the streetscape amenity. Their removal may be considered in accordance with this Policy, Council Policy IP010 Street and Reserve Trees and any Street Tree Management Plan.
- b. For industrial developments, a minimum of 10 percent of the site shall be set aside for landscaping. Landscaping shall be located along all street frontages and shall be protected with barriers to prevent damage (e.g. wheel stops, kerbing). Landscaped areas shall include a mixture of waterwise native shrubs and trees within mulched garden beds and irrigated when required.
- c. Vehicle parking areas shall have one shade tree per four bays. The tree planting area shall meet the following requirements:
 - i. Minimum permeable area of 1.5 metres in diameter;
 - ii. Flush kerbing to allow stormwater ingress; and
 - iii. Provided with mulch and irrigated when required.

All other areas (e.g. rural, rural residential)

1. There is the presumption against the clearing of native vegetation.
2. Development approval is required to clear native vegetation, prior to works commencing. Exemptions apply under the Shire of Waroona annual Firebreak Notice and Clause 61(1) of the Scheme. Firebreaks are not to exceed three (3) metres in width without approval from the Shire.
3. Clearing of dead, diseased or dangerous vegetation shall not occur without the written consent of the Shire, prior to works commencing. Vegetation that may provide nesting opportunities (e.g. hollows) should not be removed.
4. Remnant native vegetation shall not be cleared if:
 - a. it comprises a high level of biodiversity; or
 - b. it comprises the whole or a part of, or is necessary for the maintenance of, a significant habitat for fauna; or

- c. it includes, or is necessary for the continued existence of, threatened flora; or
 - d. it comprises the whole or a part of, or is necessary for the maintenance of, a threatened ecological community; or
 - e. it is significant as a remnant of native vegetation in an area that has been extensively cleared; or
 - f. it is growing in, or in association with, an environment associated with a watercourse or wetland; or
 - g. the clearing of the vegetation is likely to cause appreciable land degradation; or
 - h. the clearing of the vegetation is likely to have an impact on the environmental values of any adjacent or nearby conservation area; or
 - i. the clearing of the vegetation is likely to cause deterioration in the quality of surface or underground water; or
 - j. the clearing of the vegetation is likely to cause, or exacerbate, the incidence or intensity of flooding; or
 - k. Vegetation that forms part of a Regional Ecological Linkage.
5. In considering an application involving the clearing of native vegetation, the local government shall consider:
- a. the extent of clearing to be undertaken;
 - b. the quality and type of vegetation to be cleared;
 - c. any re-vegetation carried out on the same land;
 - d. the potential for the clearing to detrimentally impact:
 - i. quality of the soil, land or water;
 - ii. biodiversity of the native vegetation in the surrounding local area;
 - iii. landscape or amenity values of the surrounding local area; and
 - iv. ecosystem function of the native vegetation in the surrounding local area.
 - e. the potential for the vegetation to provide a habitat, breeding, roosting or foraging function for protected fauna species;
 - f. the significance of the vegetation and whether it is protected under State and Federal legislation; and
 - g. any measures to conserve, protect and manage other comparable vegetation on the same land.
6. Priority protection shall be given to the following vegetation:
- a. Tuart (*Eucalyptus gomphocephala*);
 - b. Banksias;
 - c. Marri (*Corymbia calophylla*);
 - d. Jarrah (*Eucalyptus marginata*);
 - e. WA Peppermint (*Agonis flexuosa*);
 - f. Wandoo species endemic to the region;
 - g. WA Flooded Gum (*Eucalyptus rudis*);
 - h. Yarri (*Eucalyptus patens*);
 - i. Vegetation with trunk Diameter at Breast Height (DBH) of +500mm; or
 - j. Riparian (wetland or river) plants.

Unavoidable clearing

1. It is acknowledged that in some instances, clearing will be unavoidable. Examples may include, but are not limited to:
- a. Construction of a house on a rural residential bush block;
 - b. Establishment of an Asset Protection Zone for bushfire protection of a house;
 - c. Construction of a road for a subdivision;
 - d. Installation of utilities or services; and
 - e. Access track for a house.

The Shire will seek to ensure that clearing is balanced between environmental attributes and the needs/desires of the applicant.

Net gain

1. Decision makers may exercise discretion and permit the clearing of native vegetation, only where it is satisfied that the environmental impact is appropriate and a proposal demonstrates and commits to:
 - a. a net gain in vegetation coverage; and
 - b. an improvement in the quality of vegetation; and
 - c. an improvement in biodiversity values.

These principles must be able to be achieved within the local government area by the end of the following winter to ensure minimal disruption to the environment.

Where vegetation will be cleared

1. Where the loss of vegetation will occur, or has occurred, development shall achieve a Net Gain in vegetation to satisfy the objectives of this Policy. This Net Gain will either be through:
 - a. Restoration/rehabilitation occurring on-site; or
 - b. A Cash-In-Lieu contribution being made to the Shire of Waroona for investment into the rehabilitation and/or restoration of vegetation within the Shire.
2. The appropriateness of restoration will be determined on a case-by-case basis by the Shire and will be determined by:
 - a. There being sufficient space and an appropriate location;
 - b. The likelihood of restoration activities being successful;
 - c. The property's location and existing/proposed landuse/development;
 - d. Bushfire threat and fuel loads; and
 - e. Whether restoration activities on-site will achieve greater environmental outcomes compared to in a reserve or Shire managed land.

Restoration activities to achieve a Net Gain shall be fully completed by the following winter.

3. A net gain must consist of the same species and/or community that is proposed to be replaced at the following ratios outlined in Table 1.

| TABLE 1 – Net Gain ratios | | |
|---------------------------|-------------------------------|--|
| Species | Net Gain ratios for proposals | Net Gain ratios for unauthorised works (x3 penalty) |
| Swamp Paperbark | | |
| DBH +500mm | 4:1 | 8:1 |
| DBH -500mm | 2:1 | 4:1 |
| Wandoo | | |
| DBH +300mm | 4:1 | 8:1 |
| DBH -300mm | 2:1 | 4:1 |
| Yarri | | |
| DBH +500mm | 4:1 | 8:1 |
| DBH -500mm | 2:1 | 4:1 |
| WA Flooded Gum | | |
| DBH +500mm | 4:1 | 8:1 |
| DBH -500mm | 2:1 | 2:1 |
| Tuart | | |
| DBH +500mm | 4:1 | 8:1 |
| DBH -500mm | 2:1 | 4:1 |

| | | |
|---|------------|------------|
| Banksia DBH +300mm DBH -300mm | 4:1 2:1 | 8:1 4:1 |
| Jarrah DBH +300mm DBH -300mm | 4:1 2:1 | 8:1 4:1 |
| Marri DBH +500mm DBH -500mm | 4:1 2:1 | 8:1 4:1 |
| WA Peppermint DBH +300mm DBH -300mm | 4:1 2:1 | 8:1 4:1 |

Planting specifications

1. Plantings shall satisfy the following specifications listed in Table 2. A landscaping plan, revegetation plan or costing for a Cash-In-Lieu contribution shall demonstrate that these specifications have been incorporated.
2. Planting in road reserves shall have due regard for Council Policy IP010 and any adopted Street Tree Management Plan.

| TABLE 2 – Planting specifications | |
|-----------------------------------|---|
| Component | Specification (minimum) |
| Trees | Advanced trees within a grow bag of 25 litres or greater. |
| Shrubs and ground covers | Generally tubestock |
| Tree/plant protection | Urban areas: Measures to prevent vehicle intrusion/overhang (e.g. wheel stops, concrete posts) Non-urban areas: 1 biodegradable guard per plant. Sufficient stakes to secure each guard. Perimeter fencing for the planting areas (3 strand wire). |
| Mulch | Urban areas: Organic material to the entire landscaping area. To a depth of 100mm. Non-urban areas: No requirement |
| Watering | Urban areas: Ongoing for landscaping. Non-urban areas: Once per week across summer for 2 summers or as needed. |
| Labour | For installation, maintenance, weeding monitoring and replacement (factor 20% loss) for 2 summers. |
| Bonds, Shire work & CIL | Add 25% to the total project cost. |

Cash-In-Lieu (CIL) contribution

1. The local government may agree to a cash payment in lieu of:
 - a. A developer/landowner providing all, or part, of the required Net Gain planting; or
 - b. Restoration/Rehabilitation.
2. All CIL funds collected shall be used for projects within the local government area only.
3. CIL shall not be used as a buy-out method to gain approval for the clearing of vegetation that should otherwise be retained and protected.

4. CIL payments shall be made to the Shire prior to the commencement of works or use of the land. Where unauthorised clearing has occurred, it shall be paid at a time specified by the Shire.
5. If the development approved has substantially commenced, but not yet been completed, the CIL payment will not be refunded.
6. A CIL proposal shall be itemised in accordance with Table 1 and Table 2.
7. The Shire shall hold all funds within a trust account. These funds shall only be spent for the provision of rehabilitation/restoration activities. This includes the purchase, installation, maintenance or replacement of components listed in Table 2 and:
 - a. Signage that informs of the restoration activities;
 - b. Purchasing land for planting to occur, including any associated costs; and
 - c. Technical advice.
8. The maximum contribution shall not be capped. The CIL funds can be accrued for a more comprehensive, detailed or strategic restoration project, as determined by the Shire.

Plantings must be located in the most suitable area which will ensure the greatest chance of success and longevity. They must be maintained and protected in perpetuity and shall not be cleared.

7. Definitions

Clearing of vegetation means:

- (a) the killing or destruction of; or
- (b) the removal of; or
- (c) the severing or ringbarking of trunks or stems of; or
- (d) the doing of any other substantial damage to,

some or all of the vegetation in an area, and includes the draining or flooding of land, the burning of vegetation, the grazing of stock, or any other act or activity, that causes:

- (e) the killing or destruction of; or
- (f) the severing of trunks or stems of; or
- (g) any other substantial damage to,

some or all of the vegetation in an area.

Diameter at Breast Height (DBH) means:

Diameter at Breast Height, or DBH, is a standard method of expressing the diameter of the trunk of a tree at 1.4 metres above ground level.

Riparian plants means:

The plants growing on the water's edge, the banks of rivers and creeks and along the edges of wetlands are referred to as 'riparian vegetation'. Riparian vegetation can include trees, shrubs, grasses and vines in a complex structure of groundcovers, understorey and canopy.

Threatened flora means:

Flora that belongs to a threatened species, as defined in the *Biodiversity Conservation Act 2016* section 5(1).

Document Control

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|-------------------------|---|------------------|-------------|
| Division | Planning | | |
| Policy Number | LPP 17 | | |
| Contact Officer | Manager Development Services | | |
| Related Legislation | Planning and Development Act 2005 Planning and Development (Local Planning Schemes) Regulations 2015 | | |
| Related Shire Documents | Nil | | |
| File Number | CM.7 | | |
| Risk Rating | Low | Review Frequency | Triennially |
| Next Review | October 28 | Date Adopted | 28/10/2025 |
| OCM Number | OCM25/10/169 | | |

Previous Policy No's.

| | |
|------------|-------|
| Policy No. | Title |
| NA | NA |

Amendments

| Date | Details of Amendment | Reference | Record Number |
|------------|----------------------|--------------|---------------|
| 28/10/2025 | Policy Amendment | OCM25/10/168 | LPP017 |