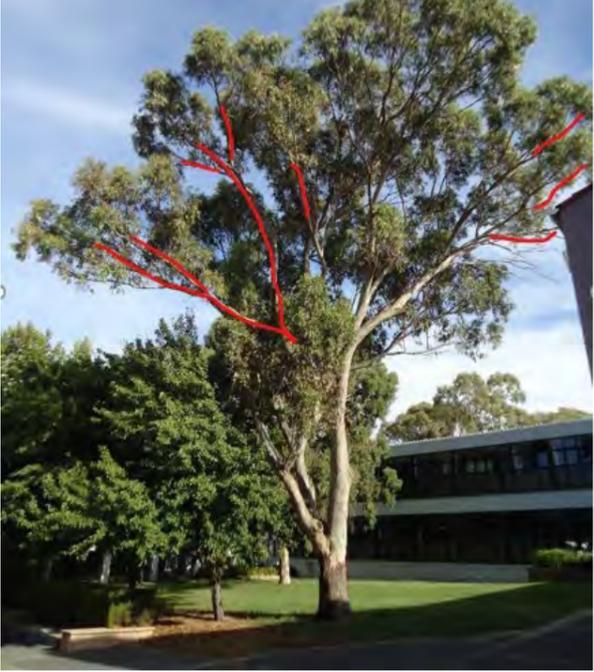


High Risk Tree Overview 2019

ID #	Name	Photo	Issue	Remedial Actions Considered	Action
178	Elm Tree (<i>Ulmus procera</i>)		<p>Stem failure at the included crown divergence point has resulted in unpredictable stability within the remaining crown structure.</p> <p>The tree has been left with poor crown structure, weak stem attachment points, limited life expectancy and poor ongoing aesthetic viability for a tree situated in such a prominent location.</p> <p>A pedestrian crossing, footpath and Meredith Road are all within the potential impact zone of further stem failures.</p>	<p>An exclusion zone is considered impractical on this occasion as the defective puts both the footpath path and Meredith Road within the potential fall zone.</p> <p>Reduction pruning of the two central stems to the level of the previous failure would result in a shortened life expectancy.</p>	<p>Removal and replacement with an advanced specimen. Replanting in situ within the Avenue is viable as there is adequate space and light.</p> <p>Replacement planting will be undertaken during winter, as this should offer the best chance of establishment for a deciduous species in this setting.</p>
393	2 x Wattle (<i>Acacia floribunda</i>)		<p>Situated in a path side garden bed to the south of the library building. This is generally a short-lived species and these trees are dead.</p>	<p>No alternate recommendations were considered for these trees as they are small, dead specimens overhanging a busy pedestrian path.</p>	<p>Removal and replacement.</p>

ID #	Name	Photo	Issue	Remedial Actions Considered	Action
395, 396 & 397	Poplar (<i>Populus yunnanensis</i>)		Compounding structural and health defects, previous large branch failures, limited life expectancy, in a prominent location.	Reduction pruning would result in shortened life expectancy.	Removal and replacement with advanced specimens of an alternative, longer lived species, to form an avenue along the side of the building
418	Flooded Gum (<i>Eucalyptus grandis</i>)		The tree was identified as presenting evidence of previous branch failures, excessive end weight, deadwood and wounds within various branch attachment points. An aerial assessment was undertaken in 2017 which recommended reducing the end weight of two branches within the crown structure, these being the lowest eastern and southern branches.	NA	Remove all deadwood and undertake end weight reduction pruning of targeted branches
437	Blakely's Red Gum (<i>Eucalyptus blakelyi</i>)		The tree has experienced multiple previous branch failures and displays excessive end weight, wounds and weak unions within the existing crown structure.	NA	Undertake targeted reduction pruning of various elongated, exposed or end weighted branches overhanging the pedestrian walkways to minimise the consequence of any potential future failure.

ID #	Name	Photo	Issue	Remedial Actions Considered	Action
518	Manna Gum (<i>Eucalyptus viminalis</i>)		<p>The tree presents with compounding structural defects, multiple cavities, internal decay, lean, history of branch failure.</p> <p>Aerial inspection and Resistograph testing were undertaken to ascertain the structural integrity of the tree and the condition of the significant structural issues identified.</p>	<p>Exclusion Zone – considered impractical in this situation due to the tree’s location, overhanging a busy pedestrian footpath and the size of the potential impact zone in the event of whole of tree failure; Removal – loss of habitat.</p>	<p>Habitat prune and retain for habitat for the short term. Undertake replacement planting around retention pond.</p>
754	Lombardy Poplar (<i>Populus nigra Italica</i>)		<p>The tree is in declining health with dead stems and poor structural stability due to advanced basal decay. An adjacent Lombardy Poplar, Tree 752 identified as High Risk in 2018, failed during a storm event in early 2019.</p>	<p>No alternative actions considered appropriate due to extent of defect, age, species and location.</p>	<p>Landscape Advisory Committee recommend removal.</p>

ID #	Name	Photo	Issue	Remedial Actions Considered	Action
867	Himalayan Cedar (<i>Cedrus deodara</i>)		Large dead tree which is starting to drop lateral branches. A concrete pedestrian pathway is within the impact zone.	No alternate recommendations were considered viable for this tree.	Landscape Advisory Committee recommend removal.
871	Lombardy Poplar (<i>Populus nigra Italica</i>)		Large mature tree has significant basal decay making ongoing stability unpredictable. The decay was identified using a mallet and acoustically testing the base of the tree. Large branch dieback within the upper canopy is also an indicator of increasing dysfunction and health decline. No alternate recommendations have been made for this tree.	No alternative actions were recommended for this tree due to age, species and location.	Landscape Advisory Committee recommend removal.

ID #	Name	Photo	Issue	Remedial Actions Considered	Action
1460	River She-Oak (<i>Casuarina cunninghamiana</i>)		<p>The semi-mature tree has declining health and is currently at the stage of shedding medium sized branches onto the road and carpark. Various other trees of the same species within similar locations were observed to be in declining health and will require removal over the coming years. The overall decline is attributed to a harsh growing conditions and limited root space.</p>	<p>No alternate recommendations were considered viable for this tree.</p>	<p>Landscape Advisory Committee recommend removal.</p>
2894	Narrow-leaved Peppermint Gum (<i>Eucalyptus nicholii</i>)		<p>Resistograph testing identified extensive internal basal decay making ongoing stability unpredictable</p>	<p>Exclusion zone - considered impractical due to size and location of the adjacent road and entry to Earl Page College; Habitat pruning was considered impractical due to defect location, species, location and aesthetics.</p>	<p>Assess for habitat, prune for and retain</p>

ID #	Name	Photo	Issue	Remedial Actions Considered	Action
4994 & 4995	Hillgrove Spotted Gums (<i>Eucalyptus michaeliana</i>)		<p>The trees sustained significant structural damage to the west and south during the 2018 carpark and stormwater upgrade making long-term stability unpredictable (refer to report with FMS). Trevenna Road, the roadside footpath and the carpark are within the potential impact zone. Tree stability is still regarded as unpredictable although no health or structural deterioration has been observed since the initial damage was sustained</p>	<p>No alternate recommendations have been made for these trees due to severity of root damage on two sides of the root plate and relative ease of replacement due to age.</p>	<p>Removal and replacement with species to be guided by the Landscape Advisory Group.</p>
161	Narrow-leaved Peppermint Gum (<i>Eucalyptus nicholii</i>)		<p>Deteriorating and decayed lower trunk wound resulting in unpredictable stability. The tree overhangs the Elm Avenue pathway and entry to a bus pick up point and shelter.</p> <p>The tree is part of a larger, grouped planting of same species trees situated in the immediate vicinity.</p>	<p>No alternate recommendations were considered for this individual tree due to the species, location and severity of defect.</p>	<p>Removal and replacement with species to be guided by the Landscape Advisory Group.</p>

ID #	Name	Photo	Issue	Remedial Actions Considered	Action
361	Manna Gum (<i>Eucalyptus viminalis</i>)		Overhanging managed grass and pathways. A build-up of larger diameter deadwood was observed within the canopy	NA	Remove deadwood.
431	English Oak (<i>Quercus robur</i>)		The tree has been declining in health for a number of years, with the decline attributed to harsh growing conditions and limited root space. Tree health and structure are poor with the canopy consisting of decayed, dead and dying branches and small epicormic growth.	Student seating and paved areas are within the potential impact zone of failing branches. On Graduation Day on August 30 a branch fell from the tree and became wedged between two other branches. The fallen branch was removed for the safety of students, staff and visitors to the ceremony.	Removal and replacement.
882	Manna Gum (<i>Eucalyptus viminalis</i>)		<p>Overhanging a managed grass area and carparking spaces. The tree presented with a degraded included basal union between the main stem and a smaller northern stem with multiple branch failure points and larger wounds within the canopy.</p> <p>An aerial inspection found four significant defects.</p> <p>Multiple small to medium sized branch failure points were observed throughout the canopy. These branch failures were attributed to the trees age, size, exposed position to prevailing western storm winds and an end weighted Eucalypt branching structure.</p>	No alternate recommendations were considered for this tree due to its age, severity of defect and location.	Prune and deadwood.

ID #	Name	Photo	Issue	Remedial Actions Considered	Action
1060	Manna Gum (<i>Eucalyptus viminalis</i>)		The tree has an included union at 5m between its two main stems. The union is starting to separate and considered structurally weak. The busy Mary White College southern carpark is within the potential impact zone of stem failure.	No alternate recommendations were considered for this tree due to its age, severity of defect and location.	Landscape Advisory Committee recommend removal.
1062	Manna Gum (<i>Eucalyptus viminalis</i>)		The tree presents with a deteriorating wound on the tension side of the lower stem. Significant decay, with associated fungal fruiting bodies, makes on-going stability unpredictable.	No alternate recommendations were considered for this tree due to its age, severity of defect and location.	Landscape Advisory Committee recommend removal.
1365	Bhutan cypress (<i>Cupressus torulosa</i>)		A mid canopy branch, previously recommended for preventative reduction pruning in earlier assessments, has failed and is now hung up in the canopy.	NA	Remove the failed branch back to an appropriate branch union

ID #	Name	Photo	Issue	Remedial Actions Considered	Action
1821	Gum tree (<i>Eucalyptus</i> sp.)		Tree has deteriorated to the point where whole of tree failure is considered likely due to a degrading lower trunk cavity and decay. The ring road is within the potential impact zone of the top of the tree.	NA	Reduce height to negate collapse on to Ring Rd and retain for habitat
2521	Poplar trees (<i>Populus</i> sp.)		Dead semi-mature poplar trees	NA	Landscape Advisory Group suggest remove all poplars over hanging Volleyball court
2598	Mexican Weeping Pine (<i>Pinus patula</i>)		Tree is declining in health as attributed to drought and previous root damage during the building's construction with a subsequent build-up of large dead wood. A student entrance pathway is within the potential impact zone.	NA	Landscape Advisory Group recommend removal.

ID #	Name	Photo	Issue	Remedial Actions Considered	Action
2636	Yellow Box (<i>Eucalyptus melliodora</i>)		Tree is in a reduced state of health with reduced canopy density, large terminal branch dieback & the remaining foliage mass consisting of 100% epicormic growth. The decline is attributed to suspected root damage during the construction of Wright College.	Remove deadwood and retain for the short term are both considered valid options.	Landscape Advisory Group recommend removal and replacement
2719	Yellow Box (<i>Eucalyptus melliodora</i>)		Tree has been declining in health for a number of years, with the decline attributed to suspected root damage sustained during the construction of Wright College. Drought conditions and previous basal decay are compounding factors in the decline. Deadwood pruning has previously been undertaken.	No alternate recommendations were considered for this tree due to the location, large size, previous pruning works and ongoing health deterioration.	Remove and replace or remove deadwood and retain for short term.
3046	Narrow-leaved Peppermint Gum (<i>Eucalyptus nicholii</i>)		An aerial inspection was undertaken to validate the severity of defects identified during the ground assessment. Four defects were considered severe.	NA	Landscape Advisory Group recommend removal.

ID #	Name	Photo	Issue	Remedial Actions Considered	Action
3243	Narrow-leaved Peppermint Gum <i>(Eucalyptus nicholii)</i>		A large dead central stem shows increasing instability and deterioration.	Remove dead stem overhanging the carpark back to the trunk union at 2m.	Landscape Advisory Group recommend removal.
10	Dead tree <i>(Eucalyptus sp.)</i>		Tree is slowly disintegrating with both the building and a water tank within the potential impact zone of larger branch/stem failures. Anecdotal evidence suggests that the area under the tree is used as a student pathway between the building and the main test paddocks located to the south.	Exclusion Zone considered impractical in this situation due to the tree's location overhanging a pedestrian desire line and the potential for impact onto infrastructure	Habitat pruning.
123	English Elm <i>(Ulmus procera)</i>		Tree presents with multiple compounding defects (decay, previous failures, cavities, cracks, sap exudation, active fungal pathogens, wounds, asymmetric crown structure) within the lower trunk area. The compounding effects of the defects have added pressure to the basal area resulting in partial failure, as indicated by weeping cracks on both sides of the trunk, which make for unpredictable ongoing stability and limited ULE. The tree displays evidence of multiple large branch failures also indicating a history of canopy failure.	Exclusion Zone considered impractical in this situation due to the tree's defects, size and location - overhanging the adjacent forecourt	Remove.

UNE Academic Campus



UNE Residential Campus



Kirby SMART Farm

