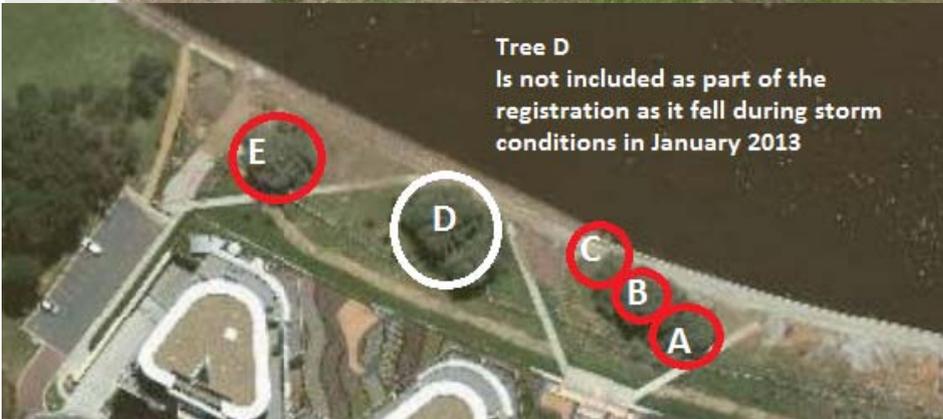




ACT Tree Register

Tree Registration
***Populus euphratica* (Euphrates Poplar)**
Block 3 Section 51 Kingston

Nomination 127
Tree Number
PTR127- Group



Tree Details:

Street address	Eastlake Parade		<p>The diagram shows a central point with four radial lines extending to a larger circle. The lines are labeled R1 (top), R2 (right), R3 (bottom), and R4 (left). A north arrow is positioned to the left of the diagram, pointing upwards.</p>
Location on block	Lake Foreshore		
Botanical name:	<i>Populus euphratica</i>		
Common name:	Euphrates poplar		
Tree height:	Various between 7.5m & 13m		
Canopy dimensions:	Broadest Diameter	Various between 8m to 17m	
	Radial Measurements	Tree A R1: 0.0m; R2: 4.0m; R3: 8.0m; R4: 2.0m	
		Tree B R1: 8.0m; R2: 5.2m; R3: 8.9m; R4: 7.6m	
		Tree C R1: 6.9m; R2: 3.5m; R3: 5.1m; R4: 8.2m	
	Tree E R1: 3.1m; R2: 8.4m; R3: 8.6m; R4: 6.0m		
Trunk circumference:	Between .69m & 3.45m		
Number of trunks:	Predominantly 1 up to 4		
AGD 66 Grid	<p>Tree A X 212,152.411 Y 600,673.733</p> <p>Tree B X 212,144.573 Y 600,678.643</p> <p>Tree C X 212,105.557 Y 600,691.045</p> <p>Tree E X 212,066.326 Y 600,709.907</p>		

(1) Natural or cultural heritage value

The object of this value is to identify trees that are of particular importance to the community due to their intrinsic heritage values.

A tree may be considered to be of natural or cultural heritage value when it is:

- (a) associated with a significant public figure or important historical event; or
- (b) of high cultural heritage value to the community or cultural group, including trees associated with aboriginal heritage and culture; or
- (c) associated with a heritage nominated place and representative of that same historic period.

(2) Landscape and aesthetic value

The object of this value is to identify trees that are of particular importance to the community due to their substantial contribution to the surrounding landscape.

A tree may be considered to be of landscape and aesthetic value if it is situated in a prominent location when viewed from a public place and it:

- (a) contributes significantly to the surrounding landscape based on its overall form, structure, vigour and aesthetic values; or
- (b) represents an outstanding example of the species, including age, size or habit; or

Statement Against the Criteria

Four Euphrates poplars have been nominated for inclusion to the ACT Tree Register after being identified as important cultural and landscape entities. The trees provide an important aesthetic and landscape contribution to the newly redeveloped Kingston Foreshore housing precinct and are the only known formal planting to exist. The original planting consisted of six trees, unfortunately two trees were found to be unstable and had to be removed. Several new trees have been propagated from cuttings and have been planted in close proximity to the parent trees.

An interesting feature of the tree species is its polymorphic behaviour. The tree species can have different types of leaves on the same tree. Leaves can vary from being blade like to elliptic, ovate, rhomboid or cunate. Because of this unusual phenomenon the species can be confused with willows as they can exhibit willow like features. It is believed that the species plays an important role in the division between willow and poplar species. The bark is roughly fissured and resembles a weeping willow yet the tree is closely related to white poplars which have a smooth white bark.

Populus euphratica is distributed across a huge area of the northern hemisphere from China through the middle east across to Spain, south as far as Kenya and north to Kazakhstan. The tree is immensely important as it has an incredible tolerance to stress. The tree can withstand freezing temperatures to blistering heat, drought, and immersion in water. In addition to coping with all these conditions the tree is also resistant to saline soils. Whilst the tree is still wide spread, many of its natural habitats are under threat or being degraded. The Tarim River in the Taklimakan Desert in China has the oldest, tallest and best representations of a *Populus euphrates* ecosystem which exhibits least human interference. The area is covered by UNESCO heritage nomination which recognises the important status and value of the tree species

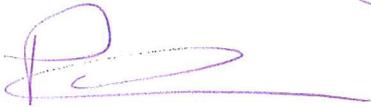
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Pursuant to Division 7.2 of the *Tree Protection Act 2005* as the Conservator of Flora and Fauna the following decision has been made under section 52(1) to enter or not enter the above tree(s) in the ACT Tree Register

Yes / No / Discuss



Penny Farnsworth
Conservator of Flora and Fauna 24/2/2013

Requests for further information should be made to:

Tree Protection Unit
PO Box 158
Canberra City, ACT 2601

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Facsimile: (02) 6207 5956
Email: treeprotection@act.gov.au