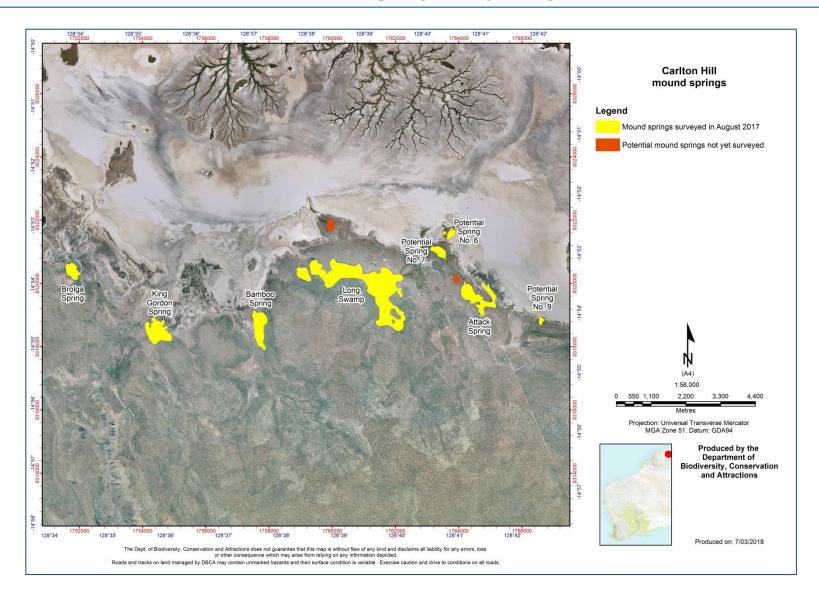
Carlton Hill Mound Spring Survey – August 2017



Potential spring 9 photo-points and vegetation composition 128°42'15"E 468200 128°42'20"E 468300 468400 **Carlton Hill** Potential Mound Spring No. 9 (MS10) Legend # Photo-points Vegetation composition Closed Flagellaria indica thicket Tall closed Melaleuca leucadendra forest Low open Melaleuca viridiflora forest Closed Typha domingensis grassland Projection: Universal Transverse Mercator MGA Zone 52. Datum: GDA94 2 Produced by the Department of Biodiversity, Conservation and Attractions Date: 8/09/2017

128°42'20"E

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If applicable this map is based on information provided by and with the permission of the Western Australian Land Information Authority (Landgate 2017).

128°42'10"E

Site notes (Identification/verification pending contact Mike Lyons)

Closed Flagellaria indica thicket - Flagellaria indica.

Tall closed *Melaleuca leucadendra* forest – *Melaleuca leucadendra*; over *Flagellaria indica*, *Timonius timon* (AT143) and *Sebania formosa* in the midstorey; over *Colocasia esculenta*, *Cyclosorus interruptus* and *Typha domingensis*; At boundary (photo-point 1) there was also an *Acacia* spp. (AT94 & AT142), *Eucalyptus* spp. (AN77), *Cyperus javanicus* (AN67 & AT106), unidentified creeper 1 (AN01) and unidentified creeper 2 (MC01 & AN95).

Low closed *Melaleuca viridiflora* forest – *Melaleuca viridiflora, Pandanus spiralis* and *Timonius timon* (AT143); over *Acacia* spp. (AT94 & AT142), *Eucalyptus* spp. (AN77); over *Cyperus javanicus* (AN67 & AT106), unidentified shrub (AT141), *Colocasia esculenta,* unidentified fern (AT107), *Utricularia aurea* and *Marsilea* spp.; Heavy pugging was noted at photopoint 2.

Closed Typha domingensis grassland – Melaleuca viridiflora; over Typha domingensis.

Potential spring 9 – photographs











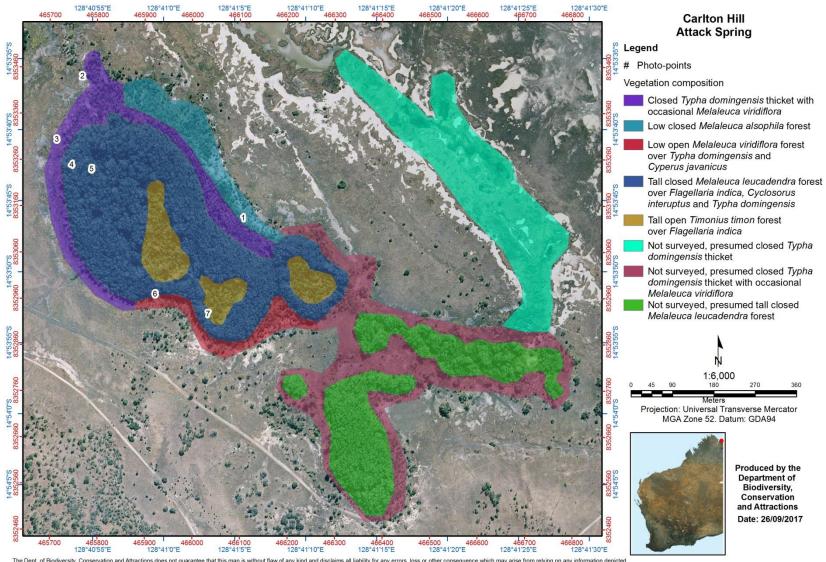








Attack Spring photo-points and vegetation composition



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Site notes (Identification/verification pending contact Mike Lyons)

Closed *Typha domingensis* thicket with occasional *Melaleuca viridiflora* – *Typha domingensis, Melaleuca viridiflora, Utricularia* spp. and a broadleaved fern (AN10).

Low closed *Melaleuca alsophila* forest – *Melaleuca alsophila* (AT103), *Cyclosorus interruptus, Lemna* spp. and a round stemmed sedge (AT104). Pugging.

Low open *Melaleuca viridiflora* forest over *Typha domingensis* and *Cyperus javanicus – Pandanus spiralis* also present in canopy. *Acacia* spp. (AT94 & AT142) and *Eucalyptus* spp. (AN77) further out.

Tall closed *Melaleuca leucadendra* forest over *Flagellaria indica, Cyclosorus interruptus* and *Typha domingensis* – No notes.

Tall open Timonius timon forest over Flagellaria indica – No notes.

Not surveyed, presumed closed *Typha domingensis* thicket.

Not surveyed, presumed closed *Typha domingensis* thicket with occasional *Melaleuca viridiflora*.

Not surveyed, presumed tall closed Melaleuca leucadendra forest.

Attack Spring – photographs







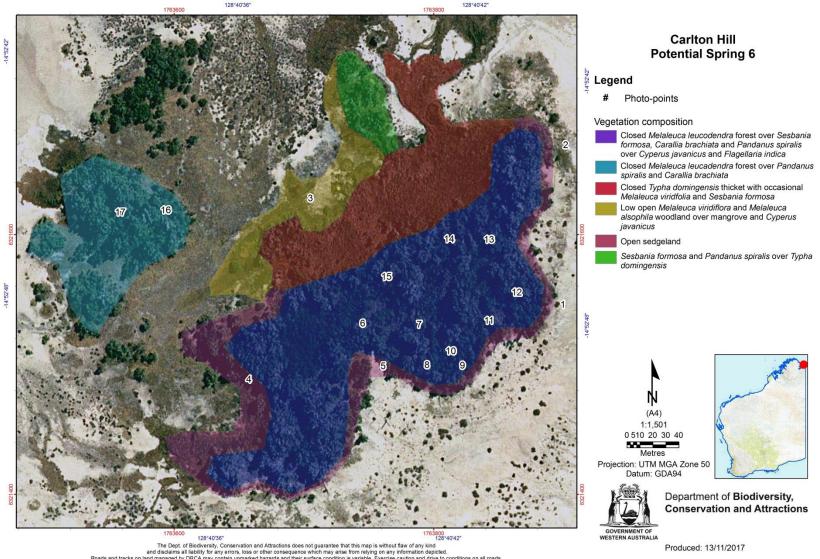








Potential spring no. 6 photo-points and vegetation composition



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Site notes (Identification/verification pending contact Mike Lyons)

Closed *Melaleuca leucodendra* forest over *Sesbania formosa*, *Timonius timon* and *Pandanus spiralis* over *Cyperus javanicus* and *Flagellaria indica* – Plant collected at photo-point 9 [PS605].

Closed Melaleuca leucadendra forest over Pandanus spiralis and Carallia brachiata – No notes.

Closed Typha domingensis thicket with occasional Melaleuca viridfolia and Sesbania formosa – No notes.

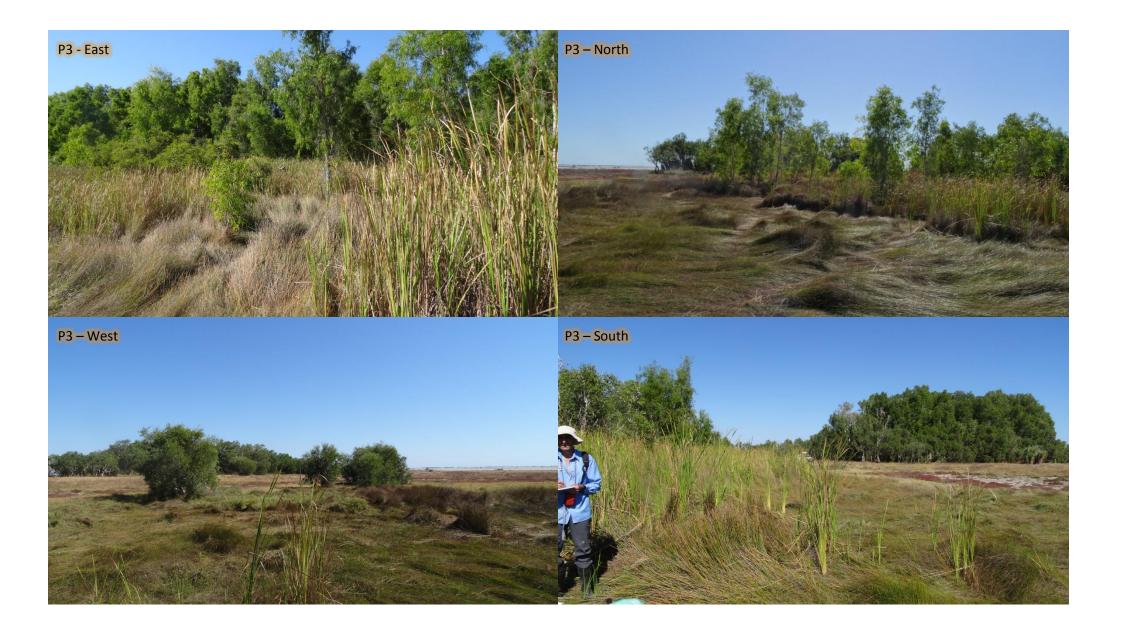
Low open *Melaleuca viridiflora* and *Melaleuca alsophila* woodland over mangrove and *Cyperus javanicus* – A creeper [PS601] and a mangrove [PS602] collected at photo-point 1

Open sedgeland – A spear-headed decumbent rush collected at photo-point 3 [PS604]

Sesbania formosa and Pandanus spiralis over Typha domingensis – No notes.



























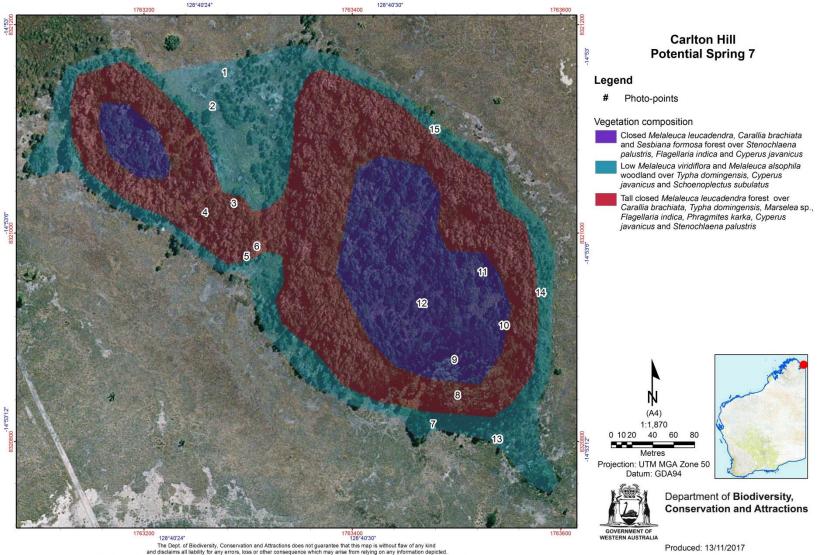








Potential spring no. 7 photo-points and vegetation composition



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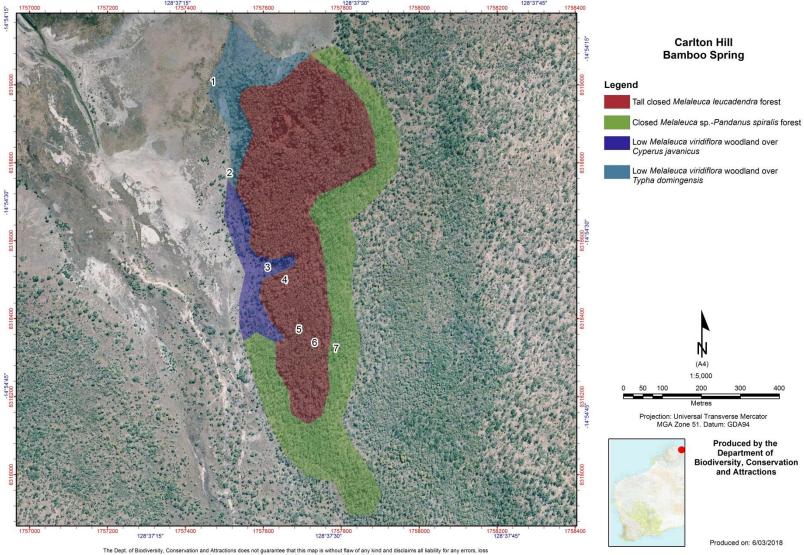






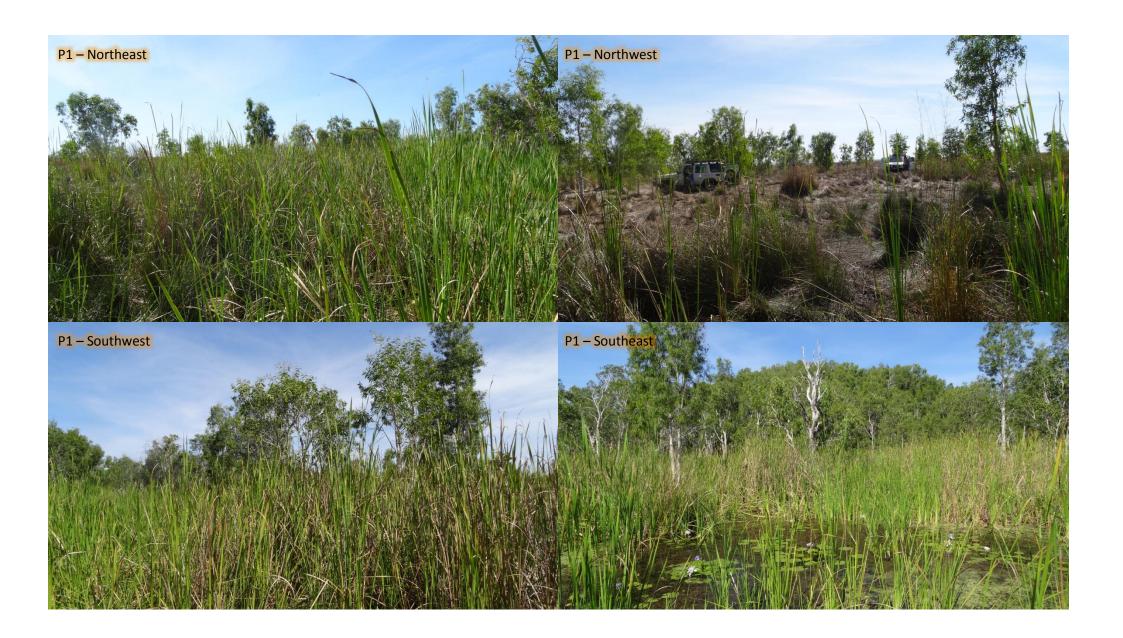


Bamboo Spring photo-points and vegetation composition



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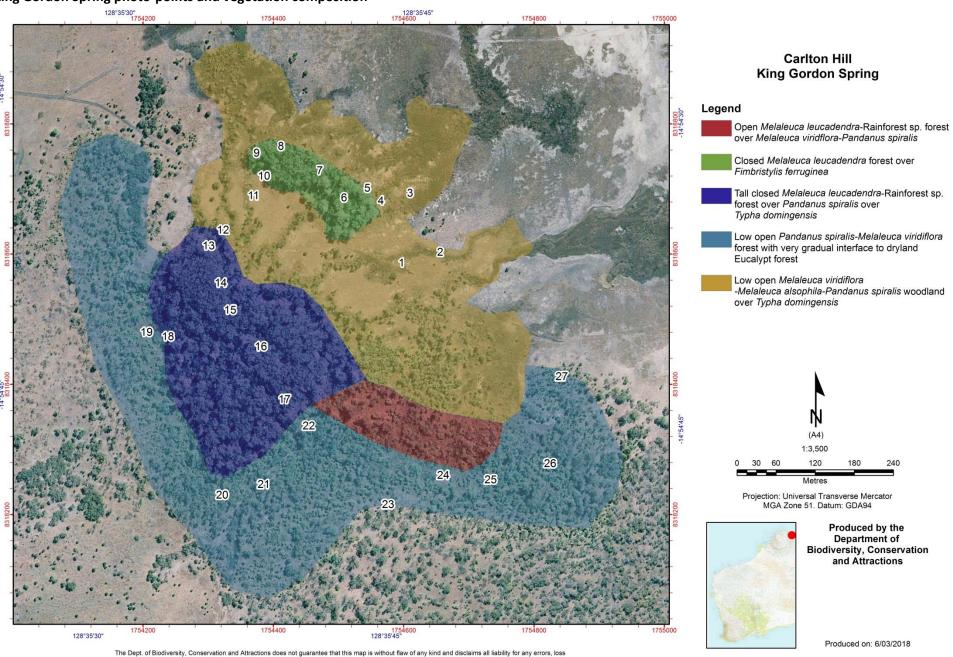








King Gordon Spring photo-points and vegetation composition



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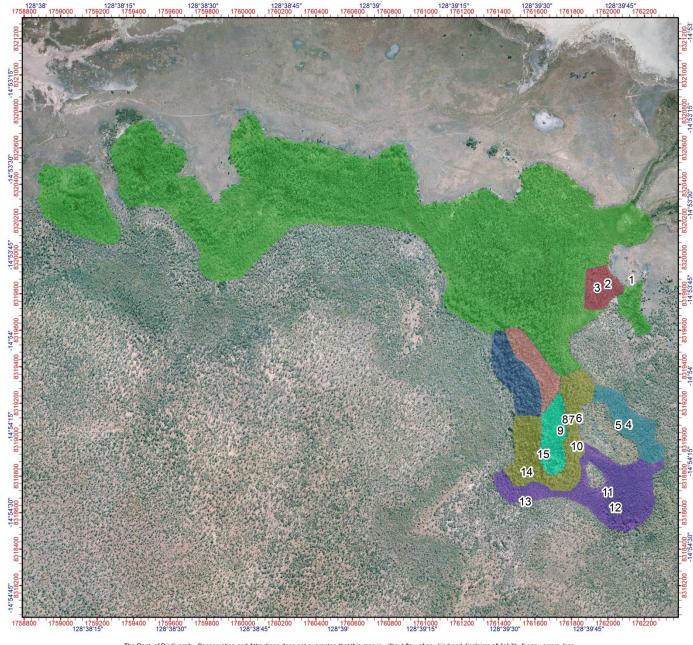








Long Swamp photo-points and vegetation communities



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Carlton Hill Long Swamp

Legend

Low closed Melaleuca viridflora-Pandanus spiralis -Sesbania formosa forest

Low closed Pandanus spiralis-Melaleuca viridflora forest

Tall closed Melaleuca leucadendra forest over Typha domingensis

Tall closed *Melaleuca leucadendra*-rainforest sp. forest over *Lindsaea ensifolia* and open pools

Tall closed rainforest sp. forest over Lindsaea ensifolia

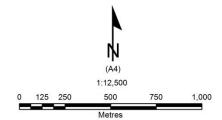
Not surveyed, presumed mound spring vegetation

Not surveyed, presumed tall closed

Melaleuca leucadendra-rainforest sp. forest over

Lindsaea ensifolia and open pools

Not surveyed, presumed tall closed rainforest sp. forest over Lindsaea ensifolia



Projection: Universal Transverse Mercator MGA Zone 51. Datum: GDA94



Produced by the Department of Biodiversity, Conservation and Attractions

Produced on: 6/03/2018



























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Brolga Spring vegetation communities

