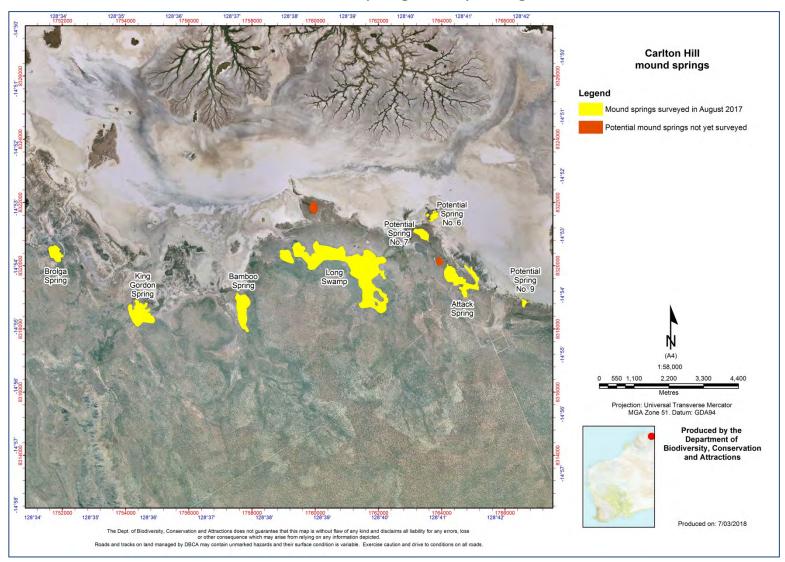
# 8 Mapping and delineation

Adam Turnbull and Michael Coote

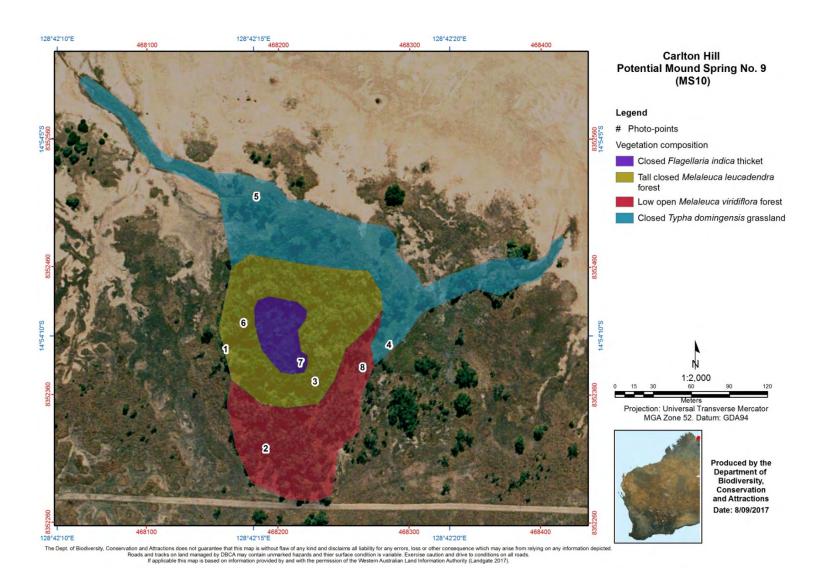
Note: At photo points depicted on the following maps, four photographs facing in the four cardinal directions were taken. They are not reproduced here but are available from Michael Coote and Mike Lyons, DBCA.

The following vegetation maps were based on foot traverses and photo point descriptions. They are necessarily preliminary given the field time available and difficulty in accessing all areas of the various springs.

## Carlton Hill Mound Spring Survey – August 2017



## Potential spring 9 photo-points and vegetation structure



# Potential Spring 9 - Additional notes for vegetation descriptions (see map legend for vegetation unit).

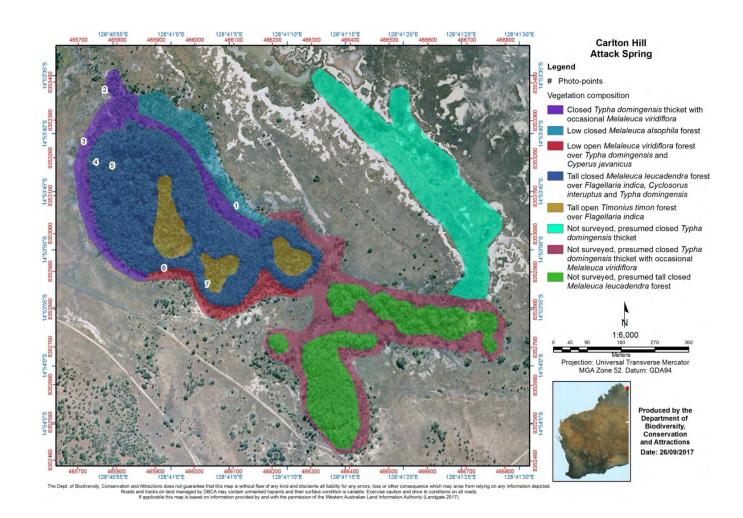
Closed Flagellaria indica thicket - Flagellaria indica.

**Tall closed Melaleuca leucadendra forest** – Melaleuca leucadendra; over Flagellaria indica, Timonius timon and Sesbania formosa in the midstorey; over Colocasia esculenta var. aquatilis, Cyclosorus interruptus and Typha domingensis. Additional taxa at boundary (photopoint 1) included Acacia neurocarpa, Corymbia bella, Cyperus conicus, and C. javanicus.

**Low closed Melaleuca viridiflora forest** – Melaleuca viridiflora, Pandanus spiralis and Timonius timon over Acacia neurocarpa and A. ampliceps, Corymbia bella over Cyperus javanicus, Melochia corchorifolia, Colocasia esculenta, Ceratopteris thalictroides, Utricularia aurea and Marsilea spp.; Heavy cattle pugging was noted at photopoint 2.

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

#### Attack Spring photo-points and vegetation structure



# Attack Spring – Additional notes for vegetation descriptions (see map legend for vegetation unit).

**Closed Typha domingensis thicket with scattered Melaleuca viridiflora** – Typha domingensis, Melaleuca viridiflora, Utricularia aurea and Acrostichum speciosum .

**Low closed Melaleuca alsophila forest** – Melaleuca alsophila , Cyclosorus interruptus, Lemna spp. Pugging evident.

Low open *Melaleuca viridiflora* forest over *Typha domingensis* and *Cyperus javanicus* – *Pandanus spiralis* also present in canopy with scattered *Acacia neurocarpa* and *Corymbia bella*.

Tall closed *Melaleuca leucadendra forest* over *Flagellaria indica, Cyclosorus interruptus* and *Typha domingensis* 

Tall open Timonius timon forest over Flagellaria indica.

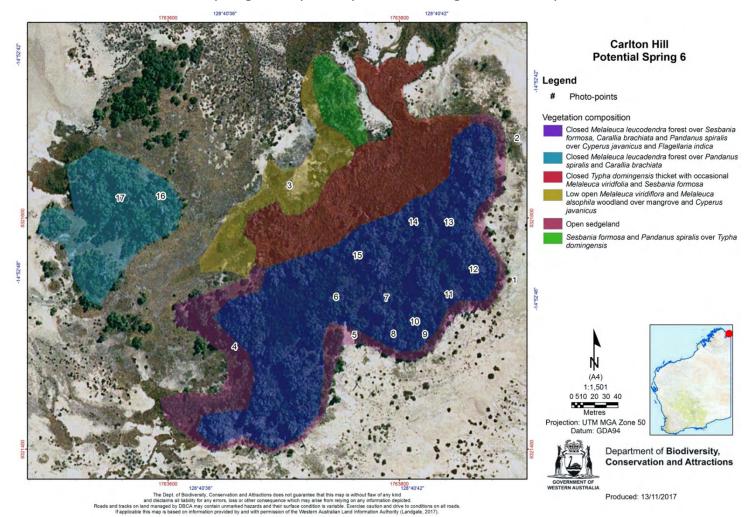
Not surveyed, presumed closed Typha domingensis thicket.

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

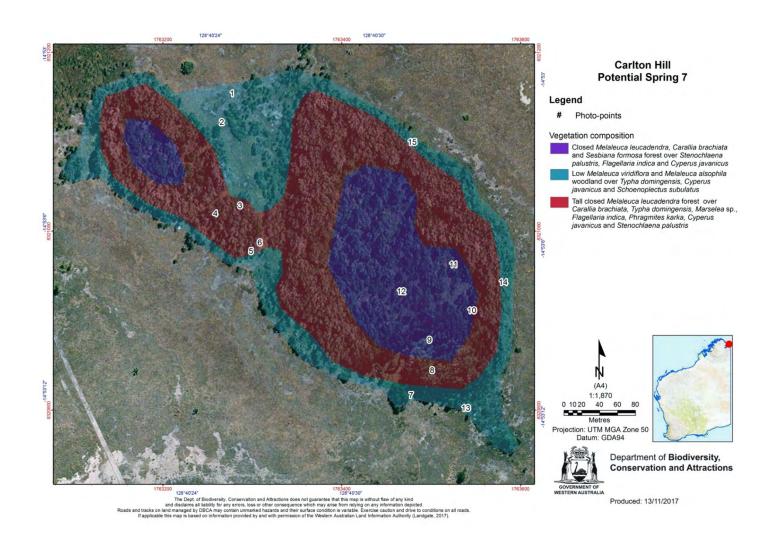
Not surveyed, presumed tall closed Melaleuca leucadendra forest.

#### Attack Spring – photographs

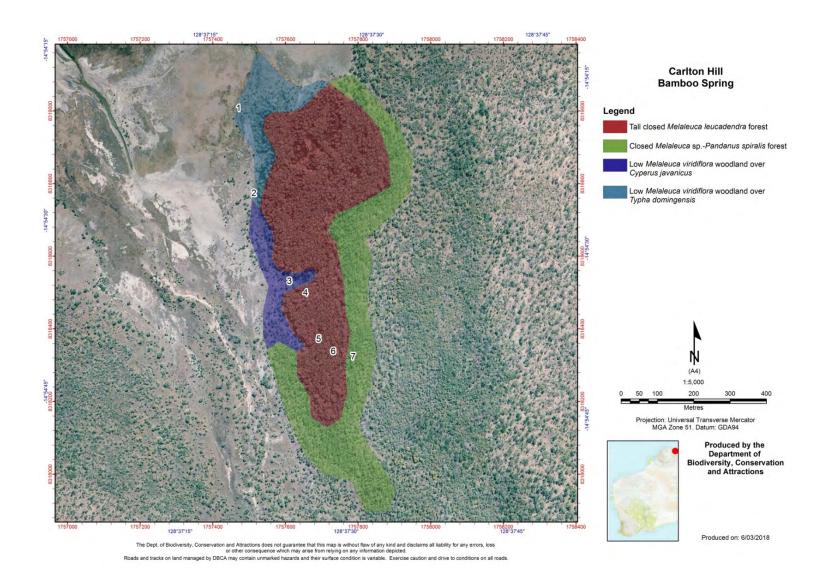
#### Potential spring no. 6 photo-points and vegetation composition.



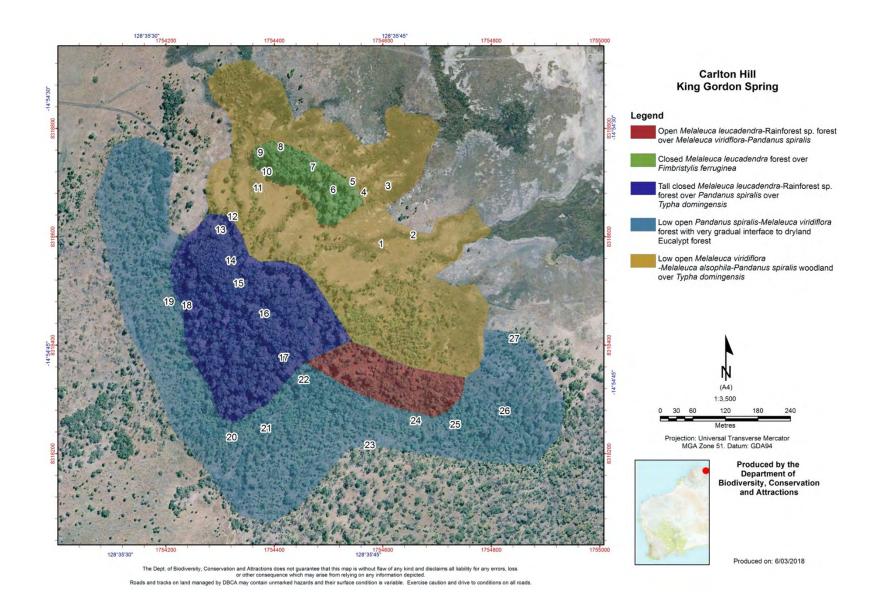
## Potential spring no. 7 photo-points and vegetation composition



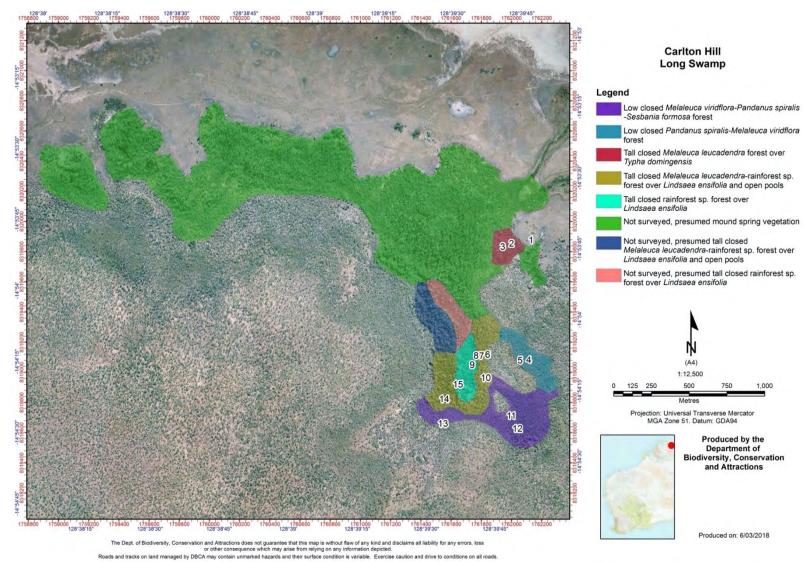
## Bamboo Spring photo-points and vegetation composition



## King Gordon Spring photo-points and vegetation composition



#### Long Swamp photo-points and vegetation communities



## Brolga Spring vegetation communities

