

25 February 2019

**Strategic Purpose Permit Application Inspection Report  
City of Cockburn minor infrastructure project - Various drainage swales & *Typha orientalis* management**

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To Whom It May Concern,

The City of Cockburn wishes to apply for a strategic purpose clearing permit as to actively manage *Typha orientalis* within various drainage infrastructures throughout the confines of the City's boundary.

*Typha orientalis*, although recently classified as a native species, has a tendency to become weedy where conditions are favourable. This is of particular concern in our drying climate. Being an opportunistic species, the City has noticed that the populations of *Typha orientalis* have become invasive, growing as a monoculture within the City's drainage. This will lead to wide spread flooding if not managed correctly. The invasive *Typha* will also displace other native species and reduce the quality of flora and fauna habitat.

The City is aware of the habitat value of *Typha* for native fauna such as birds and the oblong turtle, and will therefore tailor management measures to maintain habitat for these creatures while maintaining habit for other species including waders. *Typha* will not be removed outright, rather a targeted approach to remove small areas at any given time to help reduce the rate of its spread and allow natural recruitment of other native vegetation. Where required, alternative species such as local sedges and rushes, will be planted to provide habitat.

Below is a series of photographs taken of various drainage lines throughout the City of Cockburn highlighting the need to remove *Typha orinetalis* as to prevent blocking the drainage system and causing flooding.

When undertaking targeted *Typha orientalis* management control measures, it is with the intention that no other native species will be removed.



**Figure 1:** Cnr Callistemon & Beenyup Rd Atwell drainage line facing north



**Figure 2:** Cnr Acacia & Beenyup Rd Atwell drainage line facing south



**Figure 3:** Cnr Kurrajong & Beenyup Rd Atwell drainage line facing south



**Figure 4:** Cnr Kurrajong & Beenyup Rd Atwell drainage line facing north



**Figure 5:** Cnr Pindan & Beenyup Rd Atwell drainage line facing north



**Figure 6:** Brenchley Dr Atwell



**Figure 7:** Tapper Rd Atwell drainage line facing west



**Figure 8:** Tapper Rd Atwell drainage line facing east



**Figure 9:** Hammond Rd Success drainage line north facing east



**Figure 10:** Hammond Rd Success drainage line south facing east



**Figure 11:** Hammond Rd Success drainage line facing west



**Figure 12:** Hammond Rd Success drainage line facing east



**Figure 13:** Hammond Rd Success drainage line eastern most extent

We look forward to your favourable consideration of this clearing permit.

If you have any questions regarding this matter please contact me on 9411 3584 or email [adamh@cockburn.wa.gov.au](mailto:adamh@cockburn.wa.gov.au)

Yours sincerely

**Adam Harris**

**Environmental Officer-Natural Resource Management**